

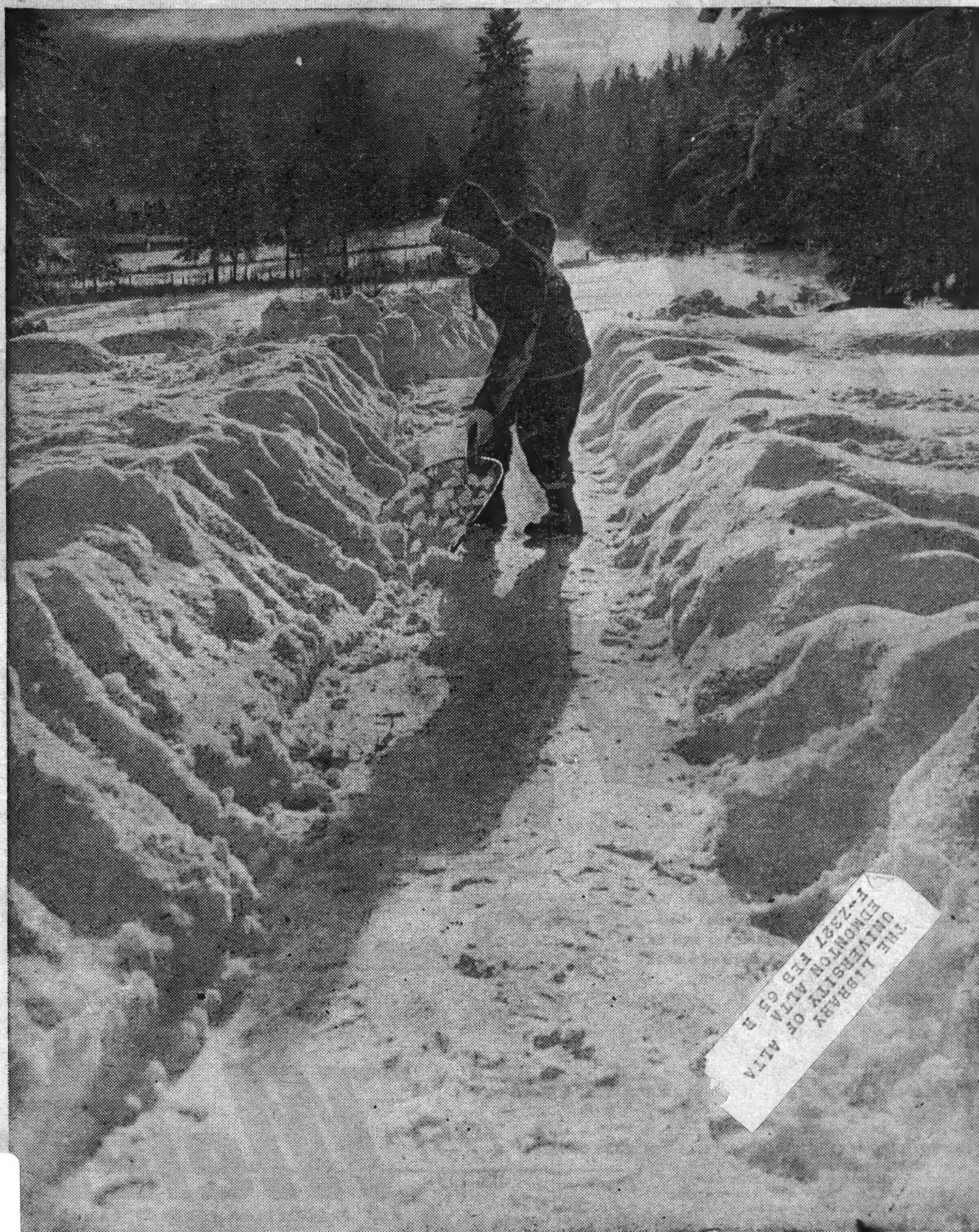
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Farm and Ranch REVIEW

January, 1951



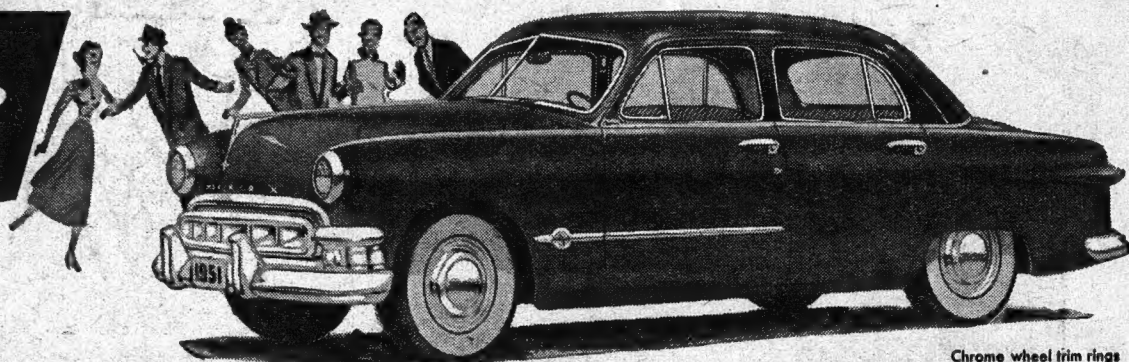
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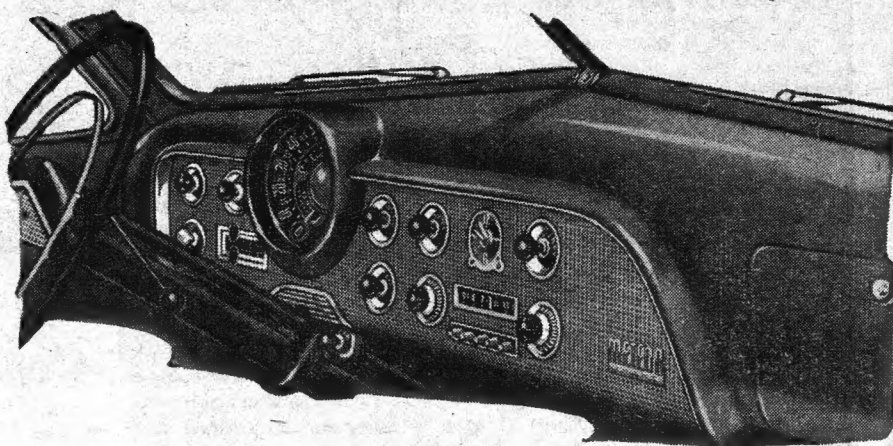
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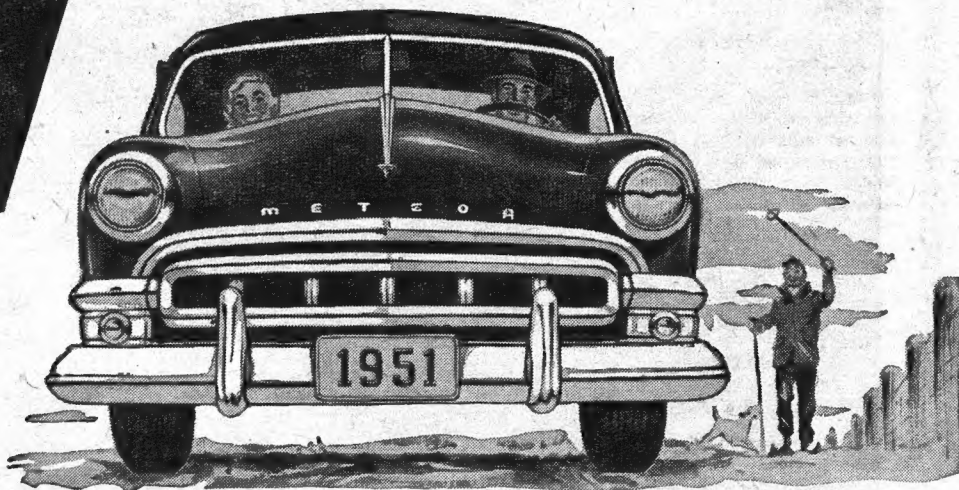
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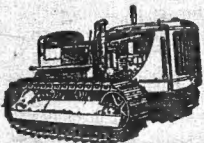
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The Farm and Ranch Review

GRAPHIC ARTS BLDG., CALGARY, ALBERTA

Vol. XLVII.

Founded in 1905 by Chas. W. Peterson

No. 1

James H. Gray, Editor

P. Peterson, Advertising Manager

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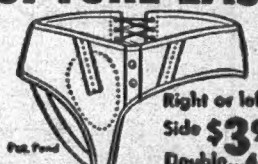
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Growth in Commerce, Agriculture, Industry Aids National Defence

● President sees Canadians facing three major tasks: 1) to integrate economic stability with military preparedness; 2) to co-operate internationally to mitigate the basic causes of world unrest; 3) to expand our world trade.

STANLEY M. WEDD, President, addressing the Annual Meeting of The Canadian Bank of Commerce in Toronto, said in part:

THE course of events that we have witnessed in recent months will mark as historically significant the year now drawing to a close. Yet the favourable developments that have taken place in Canada since we last met are overshadowed by the extremely disturbing possibilities of the hostilities in the Far East. Two distinct trends have emerged within the past year—the hesitation in business activity which was beginning to appear during the first half of the year and which was arrested by the outbreak and impact of war in Korea; and the upturn which followed.

First I would note the latest official estimate of the value of our production for 1950, which is seventeen and a half billion dollars. This is an increase of about fourteen hundred million over last year.

It would seem to be a matter of real urgency that the labour force be expanded, and since this can be done to only a very limited extent from the manpower resources now available, the immediate implementation of a well-integrated immigration policy would seem to be the proper solution.

Agriculture

Over all, this year has been a good one for agriculture. Current reports indicate that the Western wheat crop will be almost one hundred million bushels larger than a year ago although an unusually large percentage of it will be of low grade. Yields of feed grains are also above those of last year. In the Eastern Provinces and in British Columbia good harvests were general in almost all lines of farming endeavour.

While speaking of wheat I should record that during the first year of the International Wheat Agreement Canada's sales were about 183 million bushels, or over 89 per cent of the quantity we undertook to sell under the Agreement. In Geneva last October the International Wheat Council increased the quantity to be delivered by Canada to 219 million bushels for the 1950-51 crop year, 226 million for 1951-52 and 229 million for 1952-53, the last year of the Agreement. The United Kingdom-Canadian Wheat Agreement was not renewed this year but Britain is expected to make substantial purchases from this country under the International Wheat Agreement. The maximum price this year is \$1.80 and the minimum \$1.40 U.S. currency, for No. 1 Northern at Fort William.

In so far as next year is concerned, there are uncertainties regarding the price of grains but on the whole the outlook is satisfactory.

During the first half of 1950 cash receipts from the sale of farm products were down almost two hundred million dollars from the same period in 1949, due almost entirely to the absence of wheat participation payments in Western Canada this year. While receipts from the sale of livestock are somewhat higher this year, revenue from dairy products, poultry and eggs is down noticeably.

Mining

Turning now to mining, attention continues to be focused on oil and iron, each of which is expected to play a prominent role in maintaining our present high level of business activity.

With the Leduc and Redwater discoveries, proven oil reserves are now well above the billion barrel mark and the discovery to date of the four hundred million tons proven reserves of iron ore in Eastern Canada will place Canada among the world's top-ranking iron ore producers.

Manufacturing

Several of the most important branches of the Canadian manufacturing industry have created new production records within the past year and the industry as a whole is currently operating at the highest level of the year to date.

International Trade

This year we have witnessed a decided change in trade activities. Our surplus in merchandise trade of two hundred and twelve million dollars a year in the period 1935-39 and of even larger amounts in the post-war years has been replaced by a deficit of fifteen million dollars at present annual rates.

The decision to permit the Canadian dollar to find its own price in terms of other currencies was one with many implications and much to commend it.

Preparedness Programs

For the first time in our history, this year witnessed the meeting of Parliament for the purpose of considering an extensive military program unaccompanied by a declaration of war. The supplementary budget which evolved from that meeting was significant in that it brought more clearly into focus our responsibilities as a member of the United Nations. It also emphasized our role as a signatory to the North Atlantic Defence Pact.

In the light of existing conditions, the fiscal provisions of this supplementary budget might best be described as precautionary, and the extent to which they may have to be expanded will be determined by the outcome of the critical situation in which the world now finds itself. For the present the total commitment for defence is approximately one billion four hundred and twenty million dollars, or about eight per cent of the estimated Gross National Product.

The Outlook

Events of recent weeks have served to emphasize the uncertainties that lie ahead. Undoubtedly three major tasks face us: to ensure a continuation of economic stability under conditions of military preparedness; full co-operation and assistance towards the mitigation of the basic causes of unrest and war; and also the expansion of trade which is basic to the maintenance of our well-being. These are challenging objectives, yet the record shows ability and courage in facing other equally difficult problems that have arisen in the course of our history.

★ ★ ★

JAMES STEWART, Vice-President and General Manager, commenting on the Bank's operations during the past year, said in part:

THE substantial progress of the Bank in the past year by way of the growth in assets and earnings is reflected in the eighty-fourth annual Balance Sheet now before you. (Highlights of the statement are reproduced below.)

Taxation

On the tax program Mr. Stewart said: Apart from the fact that taxation must raise the revenues necessary to finance much of the defence program, taxation in general is an important fiscal means for "siphoning off" purchasing power. While the tax structure should be so arranged as to assist in restraining inflationary tendencies, yet at the same time it should not hamper or retard the industrial program necessary to meet military and domestic requirements.

Should we be on the verge of a heavier tax program—and this is a definite likelihood—then serious consideration should be given to setting the rates of the corporation income tax at sensible levels. In the long run this might well be a better revenue-raising arrangement than the application of an excess profits tax. At the same time this policy could avoid the weaknesses and the inflationary potential inherent in an excess profits tax.

Staff

It is again my privilege to express my thanks to the staff for their co-operation. The all-round increase in the Bank's business which has taken place is indicative of the team-play that exists in all the branches of the Bank. The growth of the Bank as shown by the Balance Sheet is not something that just happens—it represents hard work—and the progress made during the past year is a tribute to the loyalty of the staff and to their constant vigilance in the interests of the Bank and the public we serve.

ANNUAL STATEMENT

HIGHLIGHTS

	\$ Thousands
Assets.....	\$1,755,317
Securities.....	823,003
Total Loans.....	577,274
Total Deposits.....	1,623,713
Savings Accounts.....	900,622
Current Accounts.....	605,657
Acceptances and Letters of Credit.....	63,372
Net Profits.....	4,015
Dividends.....	3,000
Carried Forward.....	1,015
Balance Profit and Loss Account.....	4,720

The Canadian Bank of Commerce

The Farm and Ranch Editorial Page...

For the first time in history the United States takes the lead

WHETHER the world is heading into another Global conflict depends not on anything the people of the Western world can do. It depends entirely on whether Moscow decides that the time is ripe to risk a war for the conquest of the world. For us, the bloody debacle in Korea may turn out to be a blessing in disguise. Perhaps we needed something like Korea to awaken us to the peril that confronts us in Russia's determination to bring all mankind within the Communist yoke. Certainly events in Korea have roused the West to preparations for defence like nothing else could have done.

The only way in which Russia's hand may be stayed is in demonstrating to Moscow that we not only have the will to resist aggression, but that we have the means with which to resist it. So from now on all of us will find that more and more of our incomes will have to go to defray the costs of preparing our defences.

In this critical period, Canada finds herself in some difficulty trying to fit herself into the plans of the United States. The Chinese invasion of Korea came as a surprise to Washington. The United States became somewhat hysterical. But Canadians who feel that our American friends have gone off the deep end should remember that the U.S. has always been a great Pacific power.

It was Commander Perry, for example, that ended Japan's 200-year isolation from the outside world. The United States fought its war against Spain partly in the Pacific. It has territories — the Philippines, and

Alaska — nudging the shores of Red China and Siberia. For a 100 years it had its back turned on Europe and all its attention focussed on the far east.

Its reaction to the Red attempt to conquer Korea was very much like what our reaction would be if Russia, for example, sent its East German Reds into Denmark. We'd get just as excited about that as the Americans became about Korea. That excitement creates both gains and losses for the rest of us. For the first time in history, the United States is prepared to take up the leadership in the struggle against aggression. That leadership will be exerted in typical American fashion. It will be energetic, let's make no mistake about that. It will be undertaken without consideration of costs. It will be done with a great deal of confusion and a sublime disregard for the impact of American policies on her allies. That stems, of course, from lack of experience in world leadership, from a profound faith in the invincible might of the United States, from under-valuing the contributions its allies can make.

Canada, in its effort to play a part in the Korean struggle, quickly discovered all these things. The United States regarded Japan and Korea as something of a private show. It reacted to the North Korean invasion characteristically — by going to war and then thinking about the United Nations. When Canada sought to find out what was wanted of it, it encountered only confusion. So we had to make up our own minds and do what we thought best.

We devote some attention to these

background facts. Leadership in world affairs has passed into new hands. We are now playing under what might be called a new playing-coach. Uncle Sam will run the team without finesse, often forget there is a team. We will have to get used to his ways. That will not be easy. It has not been easy so far and will take endless patience and forbearance for as long as the struggle lasts.

But what all of us must never forget is that Canada has more to win or lose in the struggle to maintain peace than any other western hemisphere nation. We may well become the Belgium of a war with Russia. Some of the greatest strategic targets for air bombardment are in Canada. The over-land route to the United States from Russia will lie across Canada.

Our stake in peace is immense. It is insignificant compared to our stake in the cause of freedom if war comes. We Canadians have the best way of life, and the second highest standard of living of all the peoples of the world. If the menace of Russian Imperialism can be removed, we can confidently look forward to a century of peace for our children and their grandchildren. But if Russia wins, it will be the end of the world for all that we love and cherish.

These are the things that are important. We can help to preserve them by making a maximum effort. We can even help by holding onto our hats when the United States gets hysterical. We can forget national pride. We can learn to accept rebuffs and shred criticism and stay on the job until it is finished.

In order to save the world, a unity of purpose no less cohesive than the one that defeated Germany is imperative. We have got to stick together as we have never stuck before. We have got to be prepared to accept a different type of leadership from Washington, to expect Washington to make mistakes of commission and omission. That, it seems to us, is the least we can do in recognition of the fact that it is the United States which will carry the overwhelming burden in this struggle for a free world.

British repudiation and the rights of Canadian farmers

IN recent months newspapers who subscribe to the policy of confusing rather than enlightening have been wasting a lot of time on trying to fix the "blame" for the British Wheat contracts.

"Whose idea was this in the first place?" they have asked. Their answer is either the Wheat Pools or the minister of agriculture. The fact is, of course, that these agreements came out of Ottawa's east block where the financial brain trust of the Government was located. They arose in this fashion:

Toward the end of the war, in order to make a ceiling on wheat prices more palatable to producers who had taken a frightful beating during the early war years, the Government announced a post-war ceiling and floor price. The ceiling was to be \$1.55 and the floor \$1.00.

The Government's high-priced experts were convinced that there would be a collapse in wheat prices as soon as the war dislocation was ended. On the one hand, they were in a panic over the inflation

threat of sharply rising wheat prices. They wanted those prices held down at all costs. At the same time they were fearful of the ultimate cost to the treasury of the floor prices. So the financial advisors suggested that it would be a good thing if the British could be talked into underwriting the floor prices by a long term contract.

By the time the British Government was approached, however, prices in the United States had gone far above our ceiling. The British were offered the entire Canadian exportable surplus for four years at \$1.55. They, too, felt prices were going to collapse. The best they would do was offer to take two years at \$1.55. That was their best offer even in face of the fact that the wheat would be paid for under mutual aid, or by the Canadian taxpayers. Eventually the four-year contract was signed. So there is really no reason to argue about how the contract came into being. The facts are available to competent reporters, if a newspaper is interested in having facts.

The four-year contract stipulated that

the price would be \$1.55 for the first two years and in setting the price for the last year the British would "have regard" to the low price paid in the first two. On behalf of the British Government, Sir Stafford Cripps repudiated the "have regard" clause.

That repudiation was taken despite the fact that on three separate occasions, during the life of the contract, British cabinet ministers re-affirmed their adherence to it. Now efforts are being made to have the British Government live up to its thrice-pledged word. Whether these efforts succeed or fail are not of course the responsibility of the Prairie wheat growers. Their dealings have been and are with the Canadian Government and regardless to what the British finally decide it is to the Canadian Government to which the producers look for payment.

The attitude of the British Government is indefensible. To interpret "have regard" as "disregard" is to make a mockery of the language. Things have surely come to a low state in Britain when it becomes the considered policy of a British Government to reward its enemies and punish its friends. The sincere effort made by Canadian wheat

(Continued on page 6)

Farm and Ranch Editorials

Greasing the skids for still more inflation

THE hope expressed by the Farm and Ranch at the time of the railway strike — that something might emerge to break the lock-step relation between wage increases and freight increases — has not been realized. Mr. Justice Kellock's solution of the problem was the easy one. He gave the railway employees just about everything they struck for regardless of the shattering effect upon the economy of Canada.

That is what has always concerned us — the effect on the economy. The railways will now apply for increased freight and passenger rates to make up the \$100,000,000 extra cost of these wage increases. But the cost of the increases to the people who pay the freight will be far greater than that amount. It will raise the cost of everything we buy at least by \$150,000,000 a year.

Freight charges, and this is something too often forgotten — are deeply buried under wholesale and retail prices. A wholesaler buys his goods for a price plus freight. Together these items make up his cost. He adds 15 per cent to get his selling price and the retailer tacks his 20, 30 or 40% onto his costs to get his selling price. Freight may amount to say \$10 on one particular item. The wholesaler adds his profit margin to it and it is passed along to the retailer as \$11.50. Then the retailer adds his 35% and the amount of freight paid by the consumer rises to \$15.52. A 10% increase here would net the railways \$1. But by the time the consumer paid it, it would amount to \$1.73, and on everything he buys.

When motor car manufacturers, clothing makers or farm magazines increase prices, it only affects the people who buy them. But when railway wages force increased freight rates, the price of everything in the country goes up, and the standard of living of everybody in the country goes down. For that reason steadily increasing railway wages and freight rates are one of the most potent inflationary forces in operation in our economy.

Let us concede at once that the railway workers, like all other workers in the country, are fighting a rear guard action against the rising cost of living. They have just as much trouble making ends meet as the rest of us. But it is in the nature of things that when they reach for what they regard as simple justice they set forces in motion that

(Continued from page 5)

growers to help see the British people through their food crisis was unmatched anywhere else in the world, not even by the farmers of Britain itself.

In return they have enjoyed something they never had before, a certain knowledge when they planted their wheat what they would receive for it when it was harvested. They were freed from the dreadful uncertainty of the futures market — where prices were always high when they had no crop, and always low when they had wheat to sell. That alone has been worth millions of dollars every year to our producers. But they are still entitled to have the contract fulfilled if not by the British Government, then certainly by the Canadian Government.

make an even higher cost of living inevitable, for everybody, including themselves. Indeed, because they are coupled with reduced hours of labor, and hence reduce rather than increase production, railway wage increases are doubly inflationary.

Those who can pass their extra charges along can at least make a stab at keeping even in this inflationary rat-race. But the income of western producers depends upon the prices their goods will bring in the outside, uninflationary world markets. They lose coming and going. They cannot recoup their added costs from the price of their wheat. As our dollar shrinks in value they must take much less for their production. Either that or the entire market will be lost. They are the low men on the totem pole on which everybody else sits. They are the last men on the endless chain. They have no one else left to pass the burden onto.

As Farm and Ranch readers know, we have often argued that it is imperative that a constructive new approach be made to our railway problem. We have suggested that the unproductive political mileage ought to be taken over by the Government and operated on the canal principle. That would substantially ease the wage problems of the railways. The cost of operating this mileage, being charged to all the taxpayers by the Government, would not be reflected so directly in the retail price structure of this country. But as the strike and the Kellock report demonstrated, there is no inclination anywhere at Ottawa to try to come to grips with our basic problem.

Coming at this time, when the Government is apparently content to use a big dose of inflation to finance its rearmament programme, these wage increases are a sore blow to the producers. The producers of the West must pay the freight on everything they produce to get it to market. In the last analysis, they pay the freight not only on everything they consume, but pay a great deal of the freight on what everybody else consumes. The prairies and the Maritimes are the only areas where the railways do not have to meet competitive rates. They will get the bulk of their increased incomes from these areas. Not even death and taxes are more certain than that.

Because all this is so, it is an impelling reason why the Ottawa Government ought to begin now a vigorous effort to drastically cut its non-war expenditures. Its grandiose security schemes and construction projects should be put into storage, the deeper the freeze the better. The announced reduction of the civil service by 8,000 is a beginning. It should only be a beginning. It should not be a repetition of the kind of "window-dressing" reductions we have had in the past, where one department takes on while another department reduces staff.

What the Government must realize, it seems to us, is that the economic climate of 1951 is not that of 1939. The long siege of inflation we have already gone through has substantially worsened the position of the producers in comparison with the rest of the economy. We've had just about all the inflation we can stand.

Object lesson in political reality

FROM all accounts, the representatives of the Wheat Pools who presented the case of the wheat growers to the Canadian cabinet did an excellent job and got a most friendly and sympathetic reception. In their appeal for a substantial payment to wind up the five-year pool, our representatives had a case, happily, in which all the logic was on our side. But it is worth repeating once more that questions like these in a democracy are not settled by logic alone. Political reality plays an important part.

Whatever the decision is in this matter (It will depend in part on the Government's success in persuading Britain to honor her pledged word) it will follow a standard pattern. The cabinet will decide what it conceives to be the wisest course to follow. The proposal will find its way into the Liberal party caucus. There it will become a question of what the Liberal Members of Parliament can sell their constituents back home.

If a proposal is only mildly objectionable to the voters of Ontario and Quebec, it can be carried through without difficulty. But if it is one that will cause trouble, serious trouble, back home, it will encounter determined opposition. The strength of the group in favor of it hence will become a vital consideration in these deliberations. Manitoba and Saskatchewan, fortunately, have a strong representation in the Liberal party caucus. But at the last election Alberta farmers turned their blind eyes to their own interests and sent their usual quota of Social Crediters to Ottawa to represent them.

Manitoba and Saskatchewan farmers will get no help whatever from Alberta's 10 Social Crediters. For the very simple reason that they won't be at the meeting where the decision is made. So, on this vital question if the decision goes against our farmers, the farmers of Alberta will have nobody to blame for themselves. More, until they learn their primary school lessons in the operation of democracy and stop electing splinter groups to Parliament, they should expect to get the short end of any deal. That was what they voted to get when they went to the polls in 1949.

★

Don't they teach spelling any more?

THE FARM AND RANCH gets several hundred letters every month from our readers. The spelling in those from our younger readers is almost beyond belief. There is a striking contrast between the firm grasp of our language shown in the letters from our older readers with that of young people now going through or recently emerged from our schools. In some letters the spelling from young teen-agers has been so poor that the meaning was obscured, even unintelligible.

Perhaps the fault lies with our schools, or teachers, or with the alleged "educationists" who are forever tinkering with the system. Or maybe it is the fault of the parents. We don't know. But if you have children in school and have the time, give them a spelling test, of grades two, three and get the shock of your life.

Saving the peace by preparedness and conciliation

By BEN MALKIN

SINCE the Chinese intervention in Korea in late November, the world has moved to the brink of a general war. But as both President Truman and Andrei Vishinsky, the Russian delegate to the United Nations, later suggested, a war is not inevitable. There is much that can yet be done to avert it.

L. B. Pearson laid down what seemed to be a sensible principle for the West to follow, if it wished to avert a war, when he addressed the opening session of the Dominion-provincial conference in Ottawa early in December. Two separate policies, which needed to be merged into one, had to be pursued. First, the United Nations (which in effect means the non-Communist states) had to resist aggression in Korea, and pursue the aim of a united, independent country there. Secondly, the West must try every means of conciliation and negotiation with the Chinese Communists, and be prepared to reach an accommodation with them, without surrendering to force.

In practice this could mean recognizing the Chinese Communist government as the legal authority in China, and admitting that government to representation in the United Nations. It would mean trading with China, exchanging diplomats, exchanging information (provided China was willing). In other words, it would mean accepting Communist China into the society of nations. It would also mean guaranteeing China's frontiers from attack. But it would not mean giving Formosa, Korea, or any other territory to China, for that would be appeasement.

Mr. Pearson himself admitted that this policy might not work. That would depend on whether China was prepared to co-operate. But at least it would demonstrate that the West harbored good will toward China, and had no intention of prejudicing China's legitimate interests. Then, if China was still unwilling to bargain, and a general war came, at least the world would know where the blame lay.

Less than two weeks after Mr. Pearson outlined this policy, Wu Hsiu-Chuan, the special delegate of Communist China to the United Nations, made it plain that his government wanted more than conciliation. He told a press conference that before his government would discuss the withdrawal of its troops from Korea, the question of Formosa would have to be settled. In other words, his government was going to use the Korean war as blackmail in getting Formosa.

A proposal for handing For-

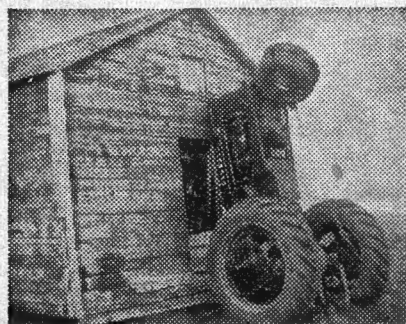
mosa to Communist China has always been unacceptable to the West. The United States, for example, argues that this island, with its 7,000,000 people, many of whom hate the Chinese, of whatever political stripe, might be allowed to settle their own destiny by means of a plebiscite. In any case, the question of Formosa should be settled as part of a general Japanese peace settlement, not as part of a Korean peace settlement, for Formosa was liberated from the Japanese during the war.

Almost as Wu was making his statement, President Truman declared a state of national emergency, and laid plans to ask the United States Congress for \$50,000,000,000 for defence purposes during the current year. Canada announced the rationing of steel, a battalion of Canadian infantry were getting ready to fight in Korea, if necessary, and there was talk in Ottawa that this country might send a fighter wing, comprising three squadrons of aircraft, to Europe by 1951 as part of that continent's defences.

As fast as democracies can in peacetime, the West was pursuing the first part of the policy suggested by Mr. Pearson. It was preparing to defend itself against aggression. What progress would be made with the second part of the policy was not so clear.

Prime Minister Attlee of Britain, and President Truman, had both agreed that conciliation was necessary, in addition to defence measures, to avert a general war. In a broadcast on December 16, for example, Mr. Attlee has said: "We must seek a settlement which, while preserving the authority of the United Nations, will remove the causes of friction." But the successful carrying out of this part of the West's policy for peace depended only partly on the West. Partly, it depended on China and Russia. If they blundered, if they set too high a price on conciliation, the policy would fail.

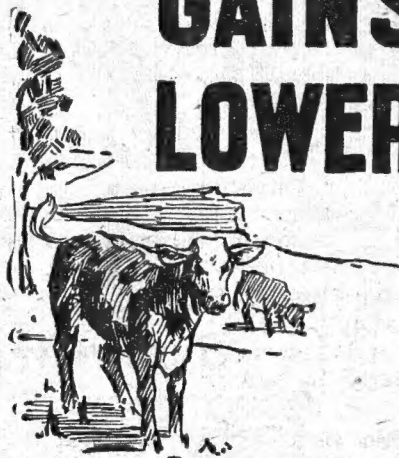
Prize Picture



Maxine McDonell, Box 1013, Drumheller, took this picture of an upset tractor that spilled the driver into the granary.

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Are you moving to the coast?

Here are some useful facts

EACH year more and more prairie people are moving to the west coast. Some of them have visited B.C. on holidays and so have an idea of what they want in the way of a house and where they would like to live. Many people have friends on the coast who are able to give them a lot of valuable information. However, unless they make a special investigation of conditions and localities, residents of the coast can give only an incomplete picture of what a newcomer can expect to find here.

As the first thing that is needed in a new city is a place to live, housing seems to be the most important subject and will be discussed first. The word "housing" brings the thought to ones mind "Is it better to buy or build?"

Even though lumber is produced in huge quantities on the coast, it is not only expensive but the quality available to the local market is poor. Seasoned wood is almost impossible to buy. Consequently, hundreds of houses are built of green wood. When it dries and shrinks, it causes plenty of trouble. Besides the cost of the lumber, there is the high price and difficulty of procuring building lots. They are very scarce and the prices asked for them in Victoria are from \$525.00 to \$1,000.00. In Vancouver they are from \$600.00 to \$1,500.00, depending on the location and size.

Heating, plumbing and electrical materials seem to be in good supply, but prices have risen in those lines in recent months.

Unless a person is an experienced builder, it is best to give the job of building the house to a contractor. The cost will be roughly \$9.00 to \$9.50 per square foot of area, complete with full basement, concrete walks, furnace, fireplace, composition roof and hardwood floors. It takes about two months to build and finish a house in fine weather. Houses built during the summer months are less subject to shrinking and cracking of the plaster, etc. By all means avoid starting a house between November and February. The average place being built today is about 800 square feet.

The following prices were asked for houses in October, 1950:

- New 4-roomed bungalows, \$5,800.00 to \$7,000.00
- New 5-roomed bungalows, \$6,500.00 to \$8,000.00
- Older 4-roomed bungalows, \$3,800.00 to \$6,300.00
- Older 7-roomed bungalows, \$6,000.00 and up.

Rooming houses, 10 rooms, \$10,000.00; 12 rooms, \$10,500.00; 17 rooms, \$11,000.00 to \$18,000.00. With revenue of \$25.00 to \$300.00 per month, the prices are from \$14,000.00 to \$20,000.00.

There are no houses listed for rent, but these are the rents asked for rooms and apartments:

Unfurnished suites in rooming houses: 2 rooms, \$28.00 to \$32.50 per month; 3 rooms, \$30.00 to \$55.00 per month.

Unfurnished apartments: 3 rooms, \$45.00 to \$85.00 per month.

Furnished suites in rooming houses: 2 rooms, \$30.00 to \$45.00 per month; 3 rooms, \$40.00 to \$60.00 per month.

Furnished bed-sitting rooms: 1 room, \$10.00 to \$12.00 per week; 2 rooms, \$12.00 to \$18.00 per week.

Housekeeping rooms: \$8.00 to \$10.00 per week, with no dishes or bedding supplied.

Families with small children find it more difficult to get rooms or apartments. Auto courts are available in the Winter months at rather high rates.

Farming

Although feed prices are high, most farmers on small places appear to be making money, or at least, a good living. High prices for farm produce is the reason for this, but it should be borne in mind that the situation could change quite rapidly. If the farm is larger, cost of help and extra machinery cuts into the profits. A place operated by a family is about the best bet for the average person. Below are some prices asked for Fraser Valley farms in October:

- 5 acres, \$4,000.00 to \$6,000.00.
- 5 acres (poor buildings), \$3,500.00.
- 2½ acres, \$3,200 to \$7,500.
- ½ acre, \$1,850.00 to \$2,600.00.
- 10 acres (dairy farms), \$4,200.00 to \$10,000.00.
- 20 acres (partly cleared), \$3,000.00 to \$7,000.00.
- 40 acres (partly cleared), \$9,000.00.

The quality of the land and buildings is so varied that prices cover a wide range. The cost of clearing land in the Fraser Valley is from \$200.00 to \$450.00 an acre. On Vancouver Island, the cost is from \$250.00 to \$400.00 an acre.

Dairy farms with 10 cows are priced at about \$12,000.00. Good dairy cows cost between \$150.00 and \$200.00 each. If feed is bought elsewhere, a place of five acres should support four cows. It is estimated that the gross income from a cow per month is around \$30.00 to \$35.00, depending of course, on the season.

Chicken farms are priced at: 2 acres, \$4,250.00; 2½ acres, \$2,975.00 to \$6,000.00; 4½ acres, \$6,000.00; 5 acres, \$4,800.00 to \$13,000.00. Farmers are getting 51 cents per dozen for grade A large eggs. N.H. pullets, 10 weeks old cost \$1.00 each and birds 4 months old cost \$2.00 to \$2.25 each. The flocks in the Fraser Valley were hard hit by the Newcastle disease this year.

There do not appear to be any turkey farms on the market at present, but there seems to be a good demand for turkeys each year and people who are in the business seem to be making money. They, too, were hit by

the Newcastle disease but will be re-established again next year.

Check on Water

When buying land in the Fraser Valley, it is wise to check closely to be sure there is a good supply of water as some parts suffer from a serious lack of good wells. Flooding is another thing to watch out for.

Cost of Living

New furniture is expensive on the coast, so it is advisable for anyone moving out here to investigate the cost of shipping their household effects before selling out. Not only can furniture be sent out very reasonably by railroad pool cars, but a lot of smaller household goods can be sent along with it. In B.C., there is a 3% sales tax on nearly everything except food.

People moving from Alberta can ship by truck and by doing so they avoid the cost of crat-

ing, which is costly. Unless a person is sure that they are going to burn wood for fuel when they reach the coast, it does not pay to ship a range. To convert a stove so that other fuels can be used costs more than it is worth.

Gas for ranges is available in most districts of Vancouver, but in Victoria it is laid into very few places. Although it is fairly expensive because it is artificial, many people prefer it to coal or wood in a range. Wood is plentiful and costs \$6.00 per cord. Coal is not too bad, but it is sometimes short in the winter for one reason or another. Costs are from \$16.00 to \$17.00 per ton.

Wood Fuel

Sawdust is used extensively for fuel, but it takes a lot of space for storage and is not always available. The cost of converting a range to use sawdust is about \$50.00. As a fuel, sawdust is easy to use and gives a steady heat. The majority of people burn wood or coal or both in furnaces and ranges.

Good Roads

All main roads in B.C. are paved or hard surfaced and most side roads are the same. Some roads in the Fraser Valley are gravelled and are not too good, but are always passable. Small stores are scattered throughout the valley and along the roads in other communities, so there is no need to go a great distance to shop. Bus services are good everywhere and being without a car is not a hardship.

The main farming centres on Vancouver Island are Comox, Courtenay, Duncan and Sydney. The first two are in the middle of the island and are situated in rich valleys; Sydney is the main hub of the Saanich peninsula. On the island, most of the farming land is on this peninsula and is mainly small holdings.

For the farmer, the most logical place to locate is in the Fraser Valley. The main centres of business there are: Chilliwack, Langley Prairie,

Master Farm Homes — I



Esplund Farm is the home of Master Farmer E. S. Parsons of Boyle.

Surrey, Cloverdale and Abbotsford. Dairy farming is the chief occupation around Chilliwack and Langley; the country is flat and the population is quite heavy.

North of the Fraser river, there are the towns of Mission, Haney, Port Moody and Coquitlam. The soil on that side of the river is light and sandy. Because of that, poultry farming, berry growing and logging are the main industries.

The growing of Filbert nuts is also quite extensive; the mills at Hammond employ a number of the residents.

For those with some money to invest, apartment houses seem to offer a good return. Small stores make a living but never make much more than that. They range in price from \$14,000 to \$18,000 for places including buildings, and from \$5,000 to \$8,000 for a business only with the premises rented. There is considerable unemployment on the coast just now and next winter will see many more out of work.

Good Climate

The 1950 weather on the coast has been very good. Generally, from June to September, very little rain can be expected. September and October are usually warm with a little rain, while in December, the weather gets cold and frosts appear. The fog comes at that time too, but it does not last long. January is cold and wet; February is warmer with some fogs. By March, the Daffodils are in bloom and Spring is just around the corner.

Automobile Regulations

USED cars are just as dear on the coast as elsewhere. It is not advisable to sell a car on the prairies with the intention of buying another one here; that is, not if it is possible to drive the car out to B.C.

After October, it is best to drive through the States as much as possible; the roads are much better that way. It is a good thing to have tire chains along, for even in B.C. there are times when they are needed in the winter and they are very hard to buy at present.

After being in B.C. a short time, it is necessary to register each automobile with the license bureau at a cost of \$10.00. In order to get a driver's license in B.C., the driver must take a test at the time he makes his first application. Thereafter, the license is renewed each year for a fee of \$1.00 with no further test. In Vancouver, but not in Victoria, the city requires that each motor vehicle must pass a test each year at a cost of 50 cents; this is to make sure that every car on the road is in a fit condition for driving.

Under a law passed last year, every car in B.C. should carry insurance against damage claims. A pink slip, showing proof of insurance, should be in or attached to every motor vehicle. If the car is not insured, it will be impounded if it is involved in an accident, whether it is sitting at the curb, being driven or even if the driver runs it against a boulder and does damage to his own car.

Change in Sask. 'Hopper bait policy

THE Saskatchewan government will supply materials for poisoning grasshoppers again in 1951, but with important changes in its policy, agricultural minister I. C. Nallet announced.

Under the new policy the department of agriculture will supply all ingredients for poisoned bait without charge, providing the municipality or L.I.D. agrees to appoint a supervisor and enforce a rationing system. The supervisor would have authority to alter the rationing system, based on his knowledge of individual conditions. In areas where a light infestation is forecast and only a small supply of poisoned bait materials is likely to be needed a supervisor would not be required. In such cases the department will buy the sawdust required, supply the poison without charge and pay the purchase price of mill-feed that may be needed in excess of one and one-half tons.

In past campaigns some municipalities enforced strict rationing of poisoned bait while others did not. As a result in times of short supply the farmers in rural municipalities with

a ration system were penalized due to heavy shipments to rural municipalities where rationing was not enforced. In some cases large quantities of bait were used to treat infested stubble fields that had been sown to crop. Appointment of a supervisor and a ration system are helpful in correcting some of the abuses that may creep in after three years distribution of free materials.

Each municipality or L.I.D. which signs an agreement to appoint a supervisor who will ration the poison bait, is eligible to obtain sawdust, mill-feed and the necessary poison shipped prepaid to designated railway points.

Any municipalities or L.I.D.'s not wishing to enter this agreement may still obtain help in their campaigns. The department will buy and arrange shipments of sawdust to be sent freight collect and will supply any poison required freight prepaid. It will pay the purchase price to a maximum of \$55 per ton over and above the first one and one-half tons. Shipping costs of all millfeed are to be borne by the municipalities.

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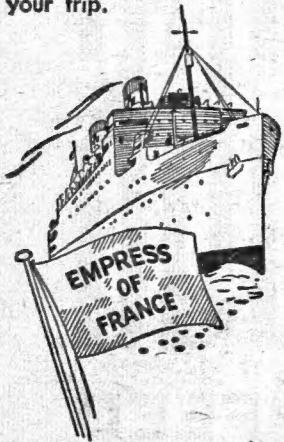
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Meet Joe and Susie— menaces to unthreshed grain

JOE and Susie got married in March and had their first family twenty days later—Joe, Junior, and Small Susie, and four assorted brothers and sister. Each of the youngsters was full grown in six weeks time, and by the end of June they got married themselves. Meanwhile, of course, Joe and Susie had had another family, eight of them this time!

The first young folks all had families by mid-July, the six young couple producing forty-two babies. Joe and Susie had finished raising their second family and were happily busy with the arrival of their third batch of young Joes and Susies, who appeared on the scene in early August. By this time their second family of eight youngsters were full grown and had found suitable mates, and soon they were also busy with family duties. If you've kept count, you can get some astonishing totals from Joe and Susie's Family Tree.

Starting in March, Joe and Susie and their descendants can quite easily raise over three hundred individuals in one summer season. Those three hundred can go on to raise thousands more, the thousands can produce millions—and the next thing you know, the country is crawling with *Microtus drummondii*, better known as Drummond's Vole or Meadow Mouse.

Joe and Susie have been mentioned before in this magazine, but once again farmers have a lot of grain lying under the snow in swathe and stook. That happened back in the winter of 1942-43, when the snow came early and caught fifty per cent of the unthreshed grain still in the fields. Farmers who had confidently expected to harvest 45 bushels to the acre were astonished to reap only 15 bushels, when the snow finally melted and threshing was done in the spring.

What happened to the re-

maining 30 bushels per acre? Joe and Susie and their plentiful offspring ate the destroyed two-thirds of the crop!

Does that sound impossible? Well, it actually happened in many districts of Western Canada, that year. The Voles or meadow mice were at the top of their cycle period of abundance. The fields literally crawled with them. Their numbers—who could accurately report the total of their staggering billions? But to give you an idea: when that famous naturalist, Ernest Thompson Seton, was working as provincial naturalist for the province of Manitoba around 1900, he encountered a similar meadow-mouse peak and made a care-

By KERRY WOOD

ful count of a typical region, then announced that, as a conservative estimate, he believed the mice totalled 10,000 individuals to the square mile throughout the abundant area!

Two of the worst concentration points during the 1942-43 mouse plague were the districts of Lloydminster, Saskatchewan, and the Central Alberta area around Red Deer. Talk to farmers living in either district, and they'll tell you grim stories of the myriad numbers of mice that scampered across every farm field. Hay-stacks were riddled by mice, so much so that cattle and horses were reluctant to eat the mouse-defiled fodder. Stacks of oat sheaves were completely lost to mice.

In a field of grain stooks, you could fork the sheaves out of any stook and actually shake the mice out of those bundles. One farmer counted over 30 mice under one stook!

When spring came and threshing was resumed, farmers forked those mousey bundles into separators and become

nauseated at the sight of the blood-clogged machinery—literally plugged and stopped by the bodies of mice. Most farmers who came in contact with the voles suffered a ringworm-like Itch—caused by a mite living on the furry bodies of the mice. This "Mouse Exzema", as it was called, infected all the exposed parts of the farmers' hands and faces throughout the period they had contact with mice. As one farmer said:

"It was the most sickening experience of my farming life."

The mouse-plague ended in the summer of 1943. We haven't had such an abundance of their numbers since, in Western Canada. Usually, mouse cycles as closer spaced than Rabbit and Grouse Cycles. The mouse peaks rise and fall every four years, while the Rabbit Cycle averages ten years be-

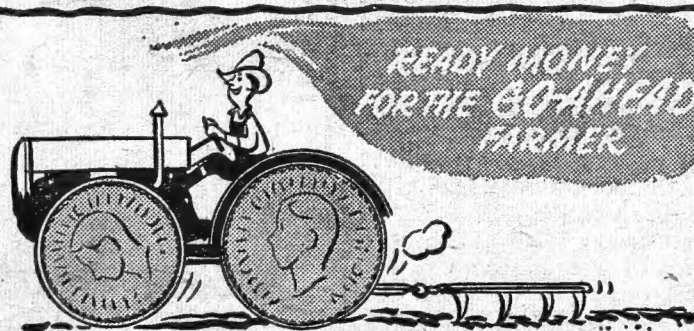
tween abundant peaks.

This present winter may cause a serious increase in meadow-mouse numbers, because of the great quantities of grain left out in the fields. We have learned that mice thrive prolifically when their food is plentiful.

The worst aspect of the situation is that it will continue to bother farmers—if not this year, then two or ten or fifty years from now. Voles are on the march. They find farming conditions ideal for their welfare. They were originally grassland prairie creatures, with no less than seventy varieties found on this continent. The woodland pest of the family is the Red-backed Vole loathed by orchard men because of its destructive tree-girdling which kills so many valuable fruit trees every year. The farm-belt Voles of Western Canada are headed by the numerous Drummond's Vole, with Yellow-cheeked, Prairie Voles, Pallid and the 9-inch long Richardson's Voles all found in this faunal zone.

Farmers who haven't personally encountered a vole plague do not realize the seriousness of this mouse invasion. The experts tell us that 66 meadow mice eat or destroy one ton of hay or fodder crops per year. Perhaps that doesn't sound too serious, until you remember Seton's figures of 10,000 meadow-mice to the square mile during a peak period. In addition to destroying hay, think what those busy rodent teeth can do to growing grain and ripened kernels! The writer believes that each live meadow-mouse does 25c worth of crop damage, every year of life! Multiply that 25c a-piece potential by the number of mice in your fields right now, and you'll understand the magnitude of the Meadow Mouse Plague.

We can't control them with any man-made traps, poisons, or farming system yet devised.



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Their habitat is too vast an area, and they are too prolific to be brought under easy control. Domestic cats and terrier dogs make insignificant inroads on vole numbers — cats may kill a few around the barns, but other voles move right in from nearby fields to re-populate the barnyard and keep Pussy or Terrier constantly occupied and getting nowhere at all. Poisons might kill thousands of voles — but once again, other voles would promptly move in to the mouseless areas from adjacent lands where no poisons had been used.

Nature's Control

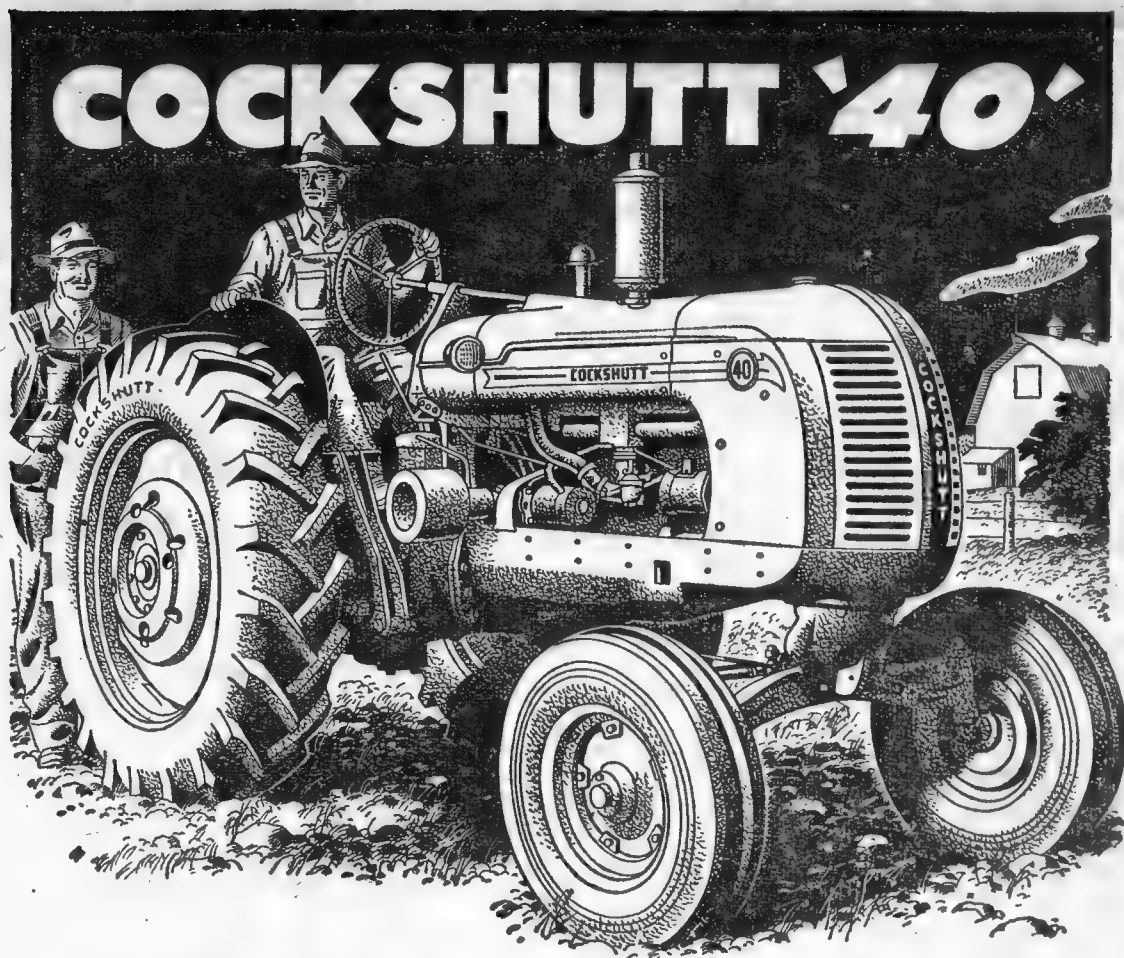
At the present time there is only One Control Method that really works, which is to allow nature's own control agents to keep the mice in check. Finest of nature's mouse-killers are weasels, with hawks, owls, coyotes, skunks, badgers, mink, and many other hunting animals and birds all taking a toll of the mousey millions. Gulls helped to control field mice during the spring of 1943; even crows rapped many a mouse on the head. But of the natural control agents, far and away the busiest mouse-killer of the whole collection is the Weasel — and we have trapped this animal scarce because of its \$2 pelt. Each weasel kills hundreds, perhaps thousands, of field mice every single year. Figure out the weasel's worth to the farmer, allowing 25¢ per dead mouse since that's the amount of crop the farmer saves on the deal. Yet we still trap weasels!

Hawks and owls are the next most important control agents, but we continue to shoot them. There are only three serious pests among the thirty raptorial birds common to Canada, yet we still kill the good and the bad, wily-nily, to prevent the beneficial members of the family from working hard for our interests, controlling mice, ground squirrels, and gophers.

Skunks are excellent mousers, also valuable as grasshopper-controllers — but we shoot skunks every chance we get and seem proud of it. Badgers were the nemesis of ground squirrels, prairie dogs, and mice: but they have been reduced to rare numbers throughout the west.

It's freely admitted that a few of these hunting animals, especially the coyotes, kill our domestic stock at times. But we should protect the most beneficial on the list: weasels, hawks, and owls. By killing off great numbers of nature's beneficial police force, we've unwittingly allowed the destructive riff-raff of mice and ground squirrels, as well as the emigrant rat, multiply unchecked to spread all over our farm lands.

Better watch out for Joe and Susie and their large family. They're after your crops, right now.



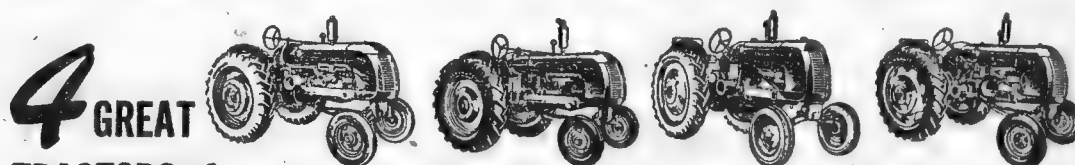
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Marked growth in every department and the establishment of new high records in the field of Canadian banking are revealed in the balance sheet of The Royal Bank of Canada, just issued.

Covering the year ending November 30, 1950, the balance sheet shows total assets of \$2,497,376,342. This total represents an increase of \$162,390,988 over the record figure of a year ago.

Deposits have moved up to \$2,337,503,468. This is an increase of \$145,362,890 over the figures of a year ago and is a new record in the field of Canadian banking. Interest bearing deposits have increased by \$43,785,626 to reach a total of \$1,103,918,226, a new high.

Indicative of the mounting tempo of business and industrial activity in the Dominion is the increase in commercial loans in Canada. Continuing a trend which has been steady since 1945, the total under this heading now stands at \$555,160,656, an increase of \$83,727,318, as compared with the figure of a year ago.

The liquid position of the bank is very strong. Cash assets totalling \$471,113,083 are equivalent to 19.54% of all the bank's public liabilities. Liquid assets are again higher and stand at \$1,717,765,402, which is

equal to 71.26% of the bank's liabilities to the public. Included in the bank's liquid assets are Dominion and Provincial securities totalling \$906,766,904.

Bank Premises account has increased from \$13,601,961 to \$17,068,704, reflecting the bank's programme of branch building and improvement. A number of new branches were established in areas of new development, existing premises were modernized and the latest type of mechanical equipment installed to ensure faster and more efficient service to the bank's steadily increasing clientele.

After the usual deductions for the Staff Pension Fund and Contingency Reserves, profits for the year were \$11,845,138 as compared with \$10,918,243 a year ago. Of this amount \$4,012,000 has been set aside for Dominion and Provincial taxes and \$1,273,413 for depreciation of bank premises. After the above deductions, the net profit was \$6,559,725. This compares with \$5,827,521 in 1949. Out of net profit \$3,500,000 was paid in dividends and \$3,059,725 carried forward to Profit and Loss Account, resulting in a balance of \$6,920,039. From this amount \$6,000,000 has been transferred to the Reserve Fund, which brings the latter up to \$50,000,000, leaving a balance of \$920,039 in Profit and Loss Account.

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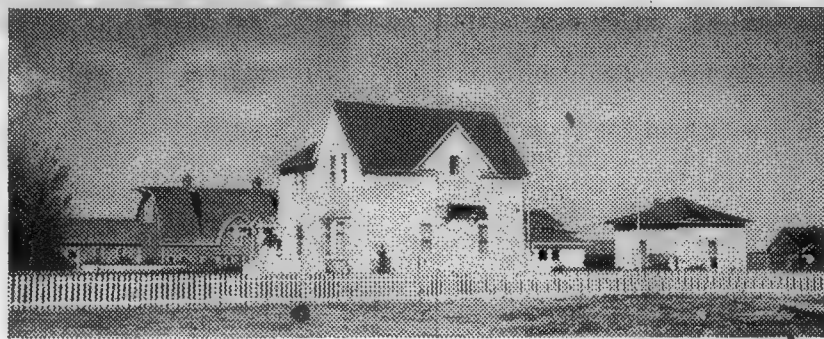
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Master Farm Homes — 2



This is the home of Master Farmer Charles J. Kallal of Tofield, Alta.

B.C. Government asks policy advice from farmers

By A. J. DALRYMPLE

MOST important year-end news in British Columbia centred about the 17th annual convention of the Federation of Agriculture. Approximately 70 delegates entered into two-day sessions in Hotel Vancouver to discuss about 50 resolutions affecting the many branches of the industry.

Of far-reaching importance was the statement of Hon. Harry Bowman, provincial minister of agriculture, who invited farm groups to elect representatives to sit in on policy-making conferences. And the invitation was at once accepted.

A. K. Loyd, manager, B.C. Tree Fruits, Ltd., Kelowna, declared that if freight rates continue to rise, the fruit industry will be liquidated, and other industries will fall with it.

Big Business

Mr. Loyd said: "The fruit turnover is between \$20 to \$25 millions per year. It provides a livelihood for about 100,000 persons; supplies cost \$7 to \$10 million per year; transportation, \$5 to \$7 million.

"There are three formidable obstacles to progress.

"1. Artificial restrictions in markets with which we can trade.

"2. Freight rates beyond the ability of the commodity to pay.

"3. Increased costs of production in the preparation of the product."

Mr. Loyd then quoted the freight rates between B.C. and prairie points, as well as cities in U.S.A., showing that they had increased greatly in the past few years.

Explaining the growers' struggles to meet the troubled situation, Mr. Loyd added that producer organizations were suffering from rising costs of boxes, nails, packaging, including paper. To these had to be added the upswing in wages and other labor costs.

He told of the efforts made to reduce costs by experimenting with various new types of packaging, but he admitted that up to the present, no container had proved equal to the wooden box for apples.

Referring to markets abroad, he said: "The European market is affected by Sterling and the Marshall plan. Europe is largely out, except for barter; and barter is a tough proposition.

"After practicing every economy we can devise, on an average of all markets, it costs six cents a pound to get fruit into the hands of the consumer. It would cost that if we gave the fruit away."

A woman in the audience suggested that barter deals could be made abroad.

Barter Problems

Mr. Loyd said: "One of the chief obstacles in the way of barter is that you are asked to take something you don't want, or don't need, or does not fit into the conditions of your country. Sometimes the things offered to you in exchange for fruit, are materials with which you are not familiar."

Included in the resolutions was one calling upon the federal government to take anti-inflation action. Another asked for the closing of the Grain Exchange, and that greater attempts be made to establish federal and provincial marketing boards.

Delegates decided, too, that there should be a campaign stressing the value of co-operation among growers; and they asked the federal government to make an adequate statement on price-support policy.

It was stated that there are many old farms in the interior which are not producing as they should, and a resolution was passed asking that the Dominion government give consideration to the rehabilitation of such farms.

Tribute was paid to the work of the B.C. Power Commission; and the delegates asked that the commission continue its efforts to provide power in sufficient quantity and at reasonable costs in all sections of the province.

Another resolution called upon the B.C. government to take competent measures to control motor vehicle insurance rates and to enforce equitable treatment for vehicle owners in rural areas.

Freight Rates

The resolution dealing with the railway freight rates problem, declared that the "rates on Canadian railways have reduced and will continue to reduce the movement of Canadian farm products to domestic and export markets; and that such rates have encouraged the increase of imports."

The B.C. Federation, therefore, called upon the Canadian Federation to impress upon the authorities, the "strangling effect of oppressive freight rates;" and that the Canadian Federation seek to enlist the co-operation of the Canadian Bankers' Association, the Canadian Manufacturers' Association, the Canadian Chamber of Commerce and the trade unions in an endeavor to 'remove this menace to the agricultural and national economy of Canada.'

One of the highlights of the session was the honoring of Bill Harrison, 82-year-old rancher of Pritchard. He was made honorary vice-president of the Federation in recognition of his valuable services to agriculture during more than half a century.

Bill was in the front seat when announcement of the award was made, and he received tremendous applause. He was born in Cumberland, Eng., and has been an active rancher for 58 years.

He was president of B.C. Sheep Breeders' Association for 27 years; a strong supporter of Farmers' Institutes, and served on the advisory board for many years.

He told the Farm and Ranch Review reporter that he had to turn over the hard work of the ranch to his sons recently, but he is still able to get out to farm meetings.

Another event of year-end importance in B.C. was the annual Potato Show. Title of Potato King was won by Peter Tjebbes of Grand Forks, who has won international fame as a spud producer.

He won the Green Valley challenge trophy, and a cash prize of \$150. The 40-year-old Hollander who came to Canada in 1926 thus chalked up his second win in that class. He took it two years ago. Last year it was won by Les Gilmore of Steveston; but this year Les Gilmore did not get into any of the top placings.

Kamloops Christmas Fat Stock Show and Sale saw another increase in prices. In 1949 the average price of qualified stock per hundredweight was 26.49; this year it was 29.24.

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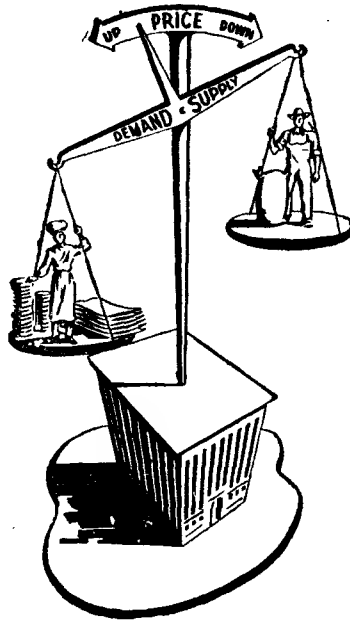
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THE LAW OF SUPPLY AND DEMAND

is PLAIN Common Sense



It is a fact well known and accepted by everyone that prices will rise during a real or threatened shortage of eggs or potatoes. On the other hand, if the supply is plentiful prices will invariably decline.

Lifting of the embargo on beef to the United States lessened the supply in Canada and the consuming public had to pay a higher price here for beef. One can recall too the frantic demand at increasingly high prices for articles that were hard to get

during the war, and how the demand for many of those articles fell off when they came back into supply following the war.

... and yet there are responsible farm leaders who have maintained, with dire results to farmers generally, that this same law of supply and demand has little or nothing to do with the price of grain.

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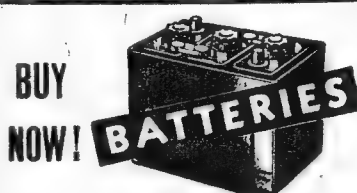
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1" DRIVE SET — 7 sockets. 1 1/2" to 2 1/4". 1 Ratchet, 1 sliding T. Handle, 1 - 16" Extension, 1 - 8" Extension, Carrying Case. Only **\$67.50**

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900x13 Brand New Diamond Tread Tube included. **\$57.50**

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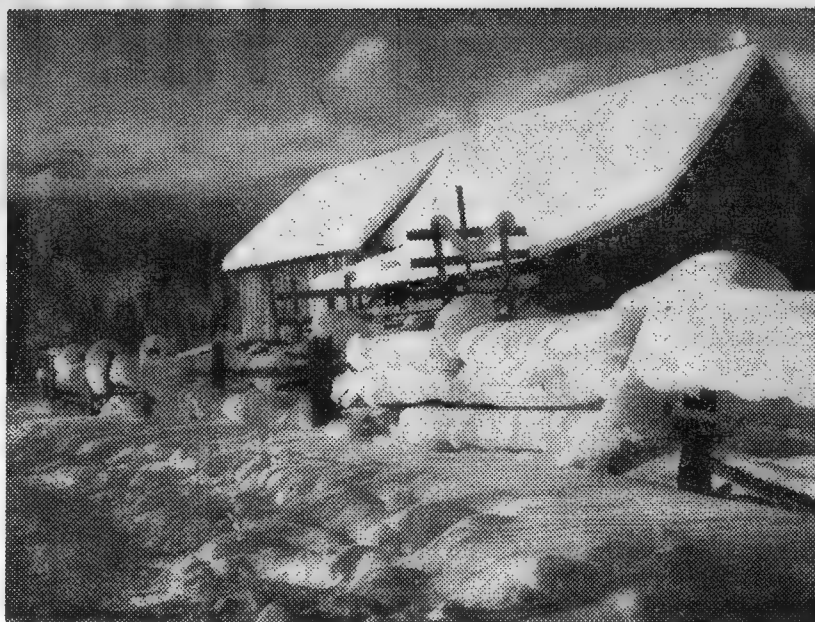


Photo by Clemson.

Tea's romantic story began in ancient China

By GEOFFREY SHAWCROSS

THE story of tea bristles with interest. The wild tree plant first attracted attention in China; tea drinking evidently started there. The habit spread to the Orient and subsequently to Europe, the Americas (including Canada) and Africa. Tea once sold for as much as \$15 a pound, was a Royal beverage, and the favorite drink of such notable people as Dr. Johnson, Queen Victoria, W. E. Gladstone (four times premier of the "Old Country") and Neville Chamberlain.

Dr. Johnson, the great 18th century literary figure, who very rarely bathed, and in consequence was almost as black as a chimney sweep, frequently drank as many as twenty cups of tea at his lengthy meals. Indeed, he seemed to be endlessly tea drinking. Here are the very words he used about that habit of his "I am a hardened and shameless tea-drinker who has for many years diluted his meals with only the infusion of this fascinating plant, whose kettle has scarcely time to cool, who with tea amuses the evening, with tea solaces the midnight, — and with tea welcomes the morning."

Heavy Drinker

Old Gladstone liked tea so much that he had his "hot water" bottle filled with it every night, even in summer. By morning there was not a drop left in that receptacle so great was his liking for tea.

That great statesman often boasted that he drank more tea between the hours of midnight and 4:00 a.m. than any other man in the House of Commons. Since he lived to be about 89, and Queen Victoria to 81, it is hard to believe that tea drinking is harmful to health.

The first person to drink tea was evidently the Chinese Emperor Shen-nung, who lived

about 2737 B.C. His hygienic principles were greatly in advance of the time, and besides a scrupulous regard for personal cleanliness, a tidy palace within and without, and adequate ventilation, he always boiled his water before drinking it. One day, when performing that act some leaves from a nearby tree fell into the boiling water and there was, of course, a delicious smell soon afterwards. Curious, the Emperor had a sip or two and found that the taste was as delightful as the aroma. Enquiries of his revealed that the wonderful leaves were those of the wild tea plant. From then, onwards, the Emperor was an enthusiastic tea drinker, it became the principal drink at the Imperial Court, and the Chinese nobility soon followed suit.

Ere long, tea-drinking spread to Japan, India, Persia and other Asiatic countries and was subsequently introduced into Western Europe by sailors who had visited the Orient.

In 1598 Jan Van Linschooten's book of travel in the Far East was translated into English that noted mariner told some interesting tales about tea-drinking in both China and Japan. The first tea to reach Europe was shipped to Holland in 1610 and was sent from China via Java. Moreover, eight years afterwards the first tea to reach Europe overland reached Russia by camel caravan from China.

Court Fashion

The English did not take up tea-drinking till 1660, when gay Charles II married Princess Catherine of Braganza. She introduced the tea-drinking habit into England, and soon the Court and the Nobility were enthusiastic tea drinkers. Pepys, the noted diarist, soon followed suit. English emi-

grants introduced the habit into America and the West Indies.

Tea was first brought to Canada by the Hudson's Bay Company, and it is worthy of note that the average Canadian today, according to statistics, drinks about 800 cups of tea annually. The amount of tea consumed here, yearly, would easily float the "Queen Mary" or some other giant liner.

It is amusing to recall that in the 18th century, non-conformist divines frequently denounced tea-drinking, in England, as being bad for people's bodies and souls. The great John Wesley was one of those critics, yet in his will many years later left a beautiful half-gallon teapot which surely proves that he changed his views on the tea-drinking question.

Everyone knows that the Boston Tea Party incident of December, 1773, precipitated the American War of Independence and the ultimate secession of Britain's thirteen American colonies.

The great detective story writer, Edgar Wallace, who died at Hollywood in 1932, drank about fifty or so cups of heavily-sweetened tea daily for many years. He died of diabetes mellitus when only 57 because of that prolonged dietary indiscretion of his. Wallace, who also smoked about 50 cigarettes daily, using a holder about a foot long, considered that tea stimulated him and kept him mentally alert.

Good feed for hogs

FROZEN wheat fed with a protein supplement is an excellent feed for pigs, according to a leaflet just issued by the animal husbandry department, University of Saskatchewan.

Supplies of this leaflet have been distributed to agricultural representatives throughout the province by the University's extension department. Copies may be obtained from the extension department, the Livestock Branch of the provincial department of agriculture, or local agricultural representatives.

The leaflet gives suggestions for feeding wheat, as well as other grains to pigs of various ages. It also tells how frozen wheat may be best used in feeding beef cattle, dairy cattle, sheep and horses.



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Farm Service Facts

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Farming is a Business

A prominent farmer recently made this comment . . . "Most farmers work twice as hard as they should, to make half as much money as they should." This man believes that the time any farmer spends

at his desk (or kitchen table), keeping records, or studying past records of his farm business . . . will help him make his farm more profitable, not only this year, but in years to come.

Records Are A Must

The more simple forms of records, such as sales and purchases, inventories at the beginning and end of each year, may not be sufficient. A complete cost of production record for any crop or product will include, along with cash outlay, the number of man and machine

hours used with, in each case, an hourly rate. The keeping of such records, particularly when they are studied and analyzed . . . will help provide greater returns when times are good . . . help cut costs when farm revenues are lower.

When You Need Credit . . .

Records are of particular value when credit, or extra finances are needed, and there are few, if any, businesses today that are run without the use of credit or financing. Credit is merely the hiring of money to do a certain job . . . just

as you would hire labor to do another type of job. Profitable use can be made of money and labor alike . . . if your farm business is sound.

And here's where a good set of records comes in handy, two ways: (1) Used as evidence that your business operation is sound, it can help you secure finances as needed. (2) It is your protection against over-expanding, should your figures indicate any weakness in your programme.

When you keep records carefully and analyze them, you'll see where you're making money . . . or, maybe, losing it. Without good records . . . you may be "travelling blind".



Records Give You The Answers

You may want to know whether your labor or machinery costs are too high and whether the answer would be more, or less machinery . . . whether certain crops cost too much to produce in relation to the revenue from them . . . whether

some crops should be discarded and new ones introduced . . . whether more, or less livestock should be kept . . . whether grain should be fed to livestock or sold. A study of your records should eliminate a lot of the guess work.

Know What Your Machines Cost

You get the true value of a tractor, for example, when you balance purchase price and operating costs against the jobs the tractor does. With this in mind, many farmers are now keeping record of the hours of work done, along with the cost of fuel and lubricants used. Over a period of years, this should tell them whether the tractor is a "dud" or a profitable investment.

And, when they have a record of repairs made . . . know when the last ring job was done . . . know how many hours work the tractor has done since . . . they're in a better position to decide, on a strictly business basis, whether the tractor should be turned in, or given another overhaul and readied for another year's service.

Know Your "Ag. Rep."

Your agricultural representative will be able to recommend, and possibly supply you with, the type of account book that will fit your farm business. He's a good man to know and work with. He'll have the most up to date information about the experimental work being

done continuously by the Dominion and Provincial Agricultural Stations on crops, soils, fertilizers, weed and insect controls. Keeping abreast of the newer findings is all part of the programme of the progressive and successful farmer.

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And along with this fast and dependable service, you can count on the high quality of all Imperial Esso Products. So . . . make it a point to phone your Imperial Oil Agent whenever you need gasolines, greases or oils. Ask him, too, about any of the score or more additional "farm essentials" he carries regularly on his truck.

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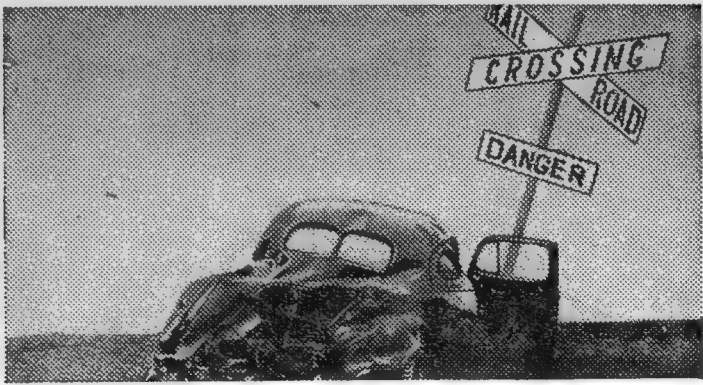
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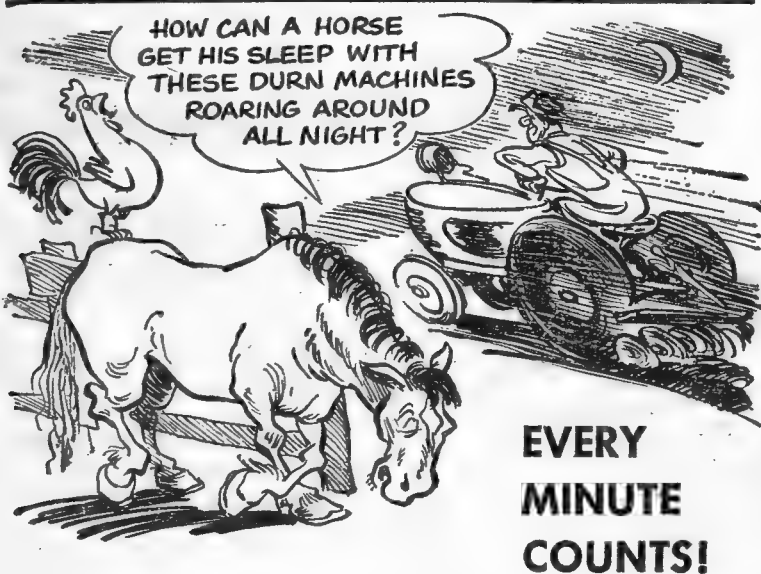
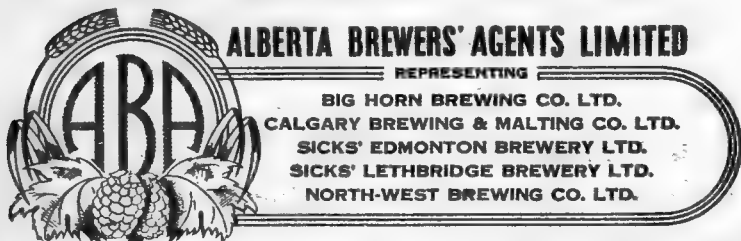


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Find out how to mechanize your farm. The manager of your local Commerce branch can help you. More than to any other source, Canadian farmers turn to The Canadian Bank of Commerce for loans to mechanize equipment, obtain seed and improve their land and buildings.

The manager of your local Commerce branch will understand your financial problems. Talk to him today.

The Canadian Bank of Commerce

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208-50

Try some new perennials in next year's garden

By H. P. HARP

AT this season of the year we can only dream of gardening and console ourselves that the sun has again started its upward climb. Seed catalogues will soon be at hand and many pleasant hours can be spent perusing them.

This coming year we must include a few new varieties to our perennial plantings. They will add interest and prolong the flowering season if we include late flowering kinds. There is usually an abundance of perennials in bloom during the months of June and July but from August on most perennial plantings are well past their best and we find in most gardens that annual flowers are providing the colour.

There are many late flowering perennials that can be relied upon to furnish colour and interest in the hardy borders from August through September and often well into October when seasons are favorable. Of these, the Hardy Chrysanthemums and Michaelmas daisies are favorites, they may be had in various colours and heights and will survive several degrees of frost.

NEW DAISIES

Two new varieties of Michaelmas daisies are Aster Plenty and Aster 'Arctic'. The former is a large flowered early aster, flowering about the first week of August and continuing throughout the season. The individual flowers are fully two inches across, freely borne and of a soft shade of lavender blue. The well branched stems make excellent cut flowers. Aster 'Arctic' is a pure white variety having semi-double flowers. It grows to a height of 2 ft. and starts to flower in early September.

Two plants that are suitable for warm sunny spots and interesting because of their scented foliage are Monarda (Sweet Bergamot) Variety, Croftway Pink and Nepeta (Cat Mint), variety Souv d'Andre Chaudron. Croftway Pink has bright coral pink flowers from July till September and the pungent sweetness of the crushed leaves adds to the plants worth. The variety of Cat Mint mentioned has masses of soft blue flowers from mid-summer on and scented foliage.

The true Shasta Daisy (Chrysanthemum maximum) is not reliably hardy in prairie gardens. Even when protected with a straw blanket it will often winter kill. The Ox-eye Daisy is the one most frequently seen and is completely hardy and reliable. It is inferior to the Shasta and will tolerate poor soils and dry locations. A double form of Shasta (Mount Shasta) has survived several prairie winters and flowers in

July on long stems. A covering of flax straw provides winter comfort.

TRY HELENIUMS

Heleniums furnish the late autumn border with rich red and gold flowers. They grow to 5 ft. and flower in September and October.

Two new varieties, Pelegrina and Chipperfield Orange are choice. Both may be easily grown and will provide effective indoor decorations giving a feeling of warmth on chilly Autumn days.

Balloon flower, (Platycodon) has been popular with prairie gardeners for some time and ranges in colour from palest blue to dark purple. There is also a pure white form. A new pink variety is now available and makes a welcome addition. The colour is a soft lilac pink with darker veins. Balloon flowers start into growth very late in the season and as a consequence is often inadvertently cut off with the first hoeing operations. It is well to mark the spot with a stake when the old tops of plants are cut off.

Mossy Phlox, (Phlox subulata) is usually associated with rock gardens or stone work of some kind and is probably seen to best advantage spilling down over rocks, but the same plant makes a good subject for the front of the perennial border or may be pleasingly used with a spring bulb plantation.

NEW COREOPSIS

Coreopsis, variety (Mayfield Giant) is a new large flowered golden yellow kind. It has long stems and good lasting qualities when cut. They are not long lived perennial plants but may be easily raised from seed and treated as biennials.

Not all these varieties will be listed by your local nurseryman so if further information is sought you may write, care of this paper.

SEASONAL NOTES

What to do with those Christmas gift plants that so often go wrong. Cyclamens, Azaleas, Primulas, Begonias, Poinsettias, are popular Christmas plants that frequently fail



"Let's see now—a pinch of arsenic—Oh no, this is the wrong book."

to give full value because their requirements are not properly understood. Often they are chilled in transit and when unwrapped the foliage is limp. The recipient will most likely soak the plant with cold water and aggravate the condition of wilting. It should be set in a cool place and sprinkled with luke-warm water at intervals till signs of recovery are seen. If Cyclamens have been frozen there is nothing to do but cut off the foliage and keep the plant fairly dry till new growth appears. If freezing has been severe there will be irreparable damage to the root and the plant had best be discarded.

Azaleas that have been frozen are of no further use but chilled plants may often be restored by treating them in the same manner as suggested for the Cyclamens. Azaleas require an abundance of water when in full bloom. The water should be soft and at room temperature.

Primulas are easier managed than Cyclamens or Azaleas. Plants received at Christmas time may be kept throughout the year. They make useful plants for the verandah in the summer. The obconica variety is the one seen most in florists shops and some people are allergic to it. A most distressing rash results from handling this plant in some cases.

Begonias of the type usually seen at Christmas belong to a group of winter-flowering types known as Gloirie de Lorraine. They are not easily accommodated in the home as they enjoy moist conditions and constant, relatively high temperatures. After the flowers fade the plant should be kept moderately dry, applying water with great care. When the need for water does arise they must be completely saturated.

Poinsettias are warmth loving plants that often suffer in transit from chilling. Chilled plants should be placed in a cool room and not watered till quite dry. Some of the lower leaves will probably fall from these plants but the top leaves and scarlet bracts will survive and remain showy for several weeks.

BULBS

The first pots of early bulbs such as Paper-white Narcissus, Early Daffodils, and Hyacinths may now be brought up from the basement providing they are well rooted and top growth is an inch or so high. Roots should be showing through the hole in the bottom of the pot. If in doubt as to whether they are sufficiently well rooted to be brought up they had best be left for a week or so longer in the cellar. When bulbs are first brought up they should be kept in a fairly cool room and covered with paper for a few days so that the tender growths may be gradually accustomed to the strong light. When flower buds are developing the plants may be moved to warmer quarters and plenty of water given.

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Fodder crops co-ops expand in Sask.

MORE than a dozen new grazing or fodder co-operative associations or combinations of the two have been formed in Saskatchewan during the past summer and fall, according to B. N. Arnason, deputy minister of co-operation and co-operative development. These projects are eligible and members have applied for earned assistance, available from the agricultural department which pays half the cost of development up to a maximum of \$5,000.

First co-operative of this type was the Prince Albert fodder co-operative association, organized on June 27 of this year. Twenty fluid milk producers serving the Prince Albert area leased six quarter sections of crown land on a 33 year lease.

Their objective was to get stands of tame grasses established, put up the hay and sell it to the members. The men have made equal investments and will share the hay equally. They broke more than 200 acres of land during the summer and plan to seed it to an alfalfa-brome mixture with a nurse crop next spring.

A fodder and grazing co-op was organized recently at Fir Ridge, 15 miles east of Prince Albert. It has five members and one section of crown land. Application has been made for earned assistance in brush clearing, breaking, seeding down and fencing.

In the extreme northwestern portion of the province's settled area several grazing co-ops have been formed. The Goodsoil grazing co-operative has 14 members who have leased six sections of crown land which they expect will be increased later as their livestock numbers increase.

Lots of Water

The acreage leased varies from sandy to good soil and contains some alkali. Numerous lakes will provide plenty of water. Earned assistance will be requested mainly for fencing. Some bulldozing has already been done to clear land for fencing.

Another grazing co-operative in that area is the Bear Lake grazing co-op near Pierceland, 15 miles east of the Alberta border. The eight charter members have leased about eight

sections of crown land, similar in quality to the Goodsoil co-op 25 miles east.

Farther south, west of Loon Lake, is the Bronson grazing co-op, with 25 members. They plan to have 36 miles of fence next year and will eventually be grazing cattle on 36 sections of land. Because there are many small lakes and springs there will be no water problem.

In the same general area is the Blueberry grazing co-operative at South Makwa, 12 miles east of Loon Lake. Ten members have leased five sections of crown land and will graze about 200 head of cattle. Although there is some bush, not much bulldozing will be required before it can be fenced. Most of the soil is sandy and it is planned to seed down some to tame hay later.

Fifteen miles southeast of Meadow Lake is the Cabana grazing co-op. The six members have about six sections of very good pasture land. Their fencing problem is not difficult as the railway track runs past one side and the railway company will put up that fence.

Far to the south is the Rock Glen grazing and fodder co-op, 35 miles south of Assiniboia. There are 12 1/4 sections in the lease with a potential carrying capacity of about 300 head of cattle. There are expected to be 15 to 20 members, so that grazing accommodation and fodder will be provided for 15 to 20 head apiece.

It is planned to construct dams to permit controlled spring flooding of the land. Earned assistance has been applied for to aid in this work and to break land and seed it down to brome and alfalfa.

The East Poplar grazing co-op is in this area too. Four men have leased 1,550 acres of land five miles east of Coron-

ach. They are asking earned assistance for fencing, on a 60 acre fodder project, 40 acres of re-grassing and construction of a dugout.

Farther north, 10 miles southwest of Moose Jaw, is the Baidon fodder co-op. It is hoped that the section of land, when seeded down to a brome, crested wheat grass, alfalfa mixture will provide an adequate reserve feed supply for the 10 members.

This land is to be broken in strips, half broken next year and the other half the following year. It will be seeded to oats in the spring and to grass in the fall.

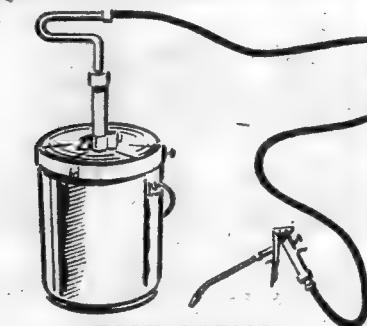
Breaking Aid

The conservation and development branch of the department of agriculture has agreed to break, level and seed the land. The co-op members feel that this branch can do the work more cheaply than they can do it themselves. Half of the cost will be borne by the provincial government under the earned assistance policy.

Over toward the Alberta border, south of Piapot is the Black Hills grazing co-operative at Carnagh. Six sections of land are included and 15 to 20 farmer members are expected to make use of its facilities. The carrying capacity of this pasture is quite high as it is in the Cypress Hills where evaporation rates are lower than in surrounding areas. Earned assistance is being sought for fencing and development of water facilities.

Twenty miles north of East-end the Bench grazing co-op has been formed. The one and one-half sections of crown land are located near Kealey Springs P.O. The Association's five members are asking earned assistance for regrassing and fencing.

A land reclamation project is the Snakebite drainage co-operative southeast of Beechy. Its eight members have bought a pump to drain the water from 665 acres of low lying land owned or rented by the members. About a foot of water lies on the land in the spring.



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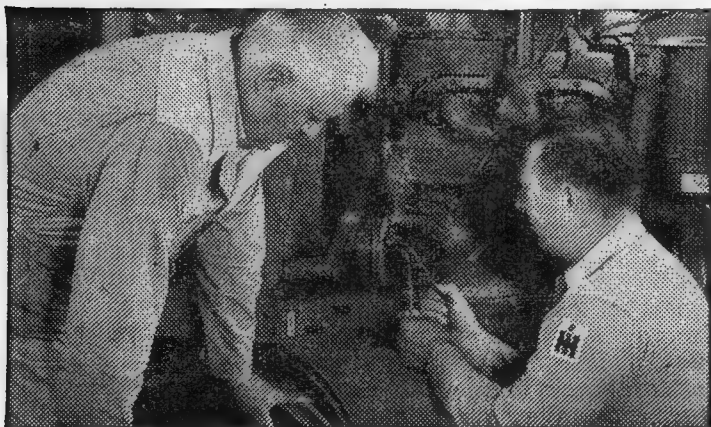
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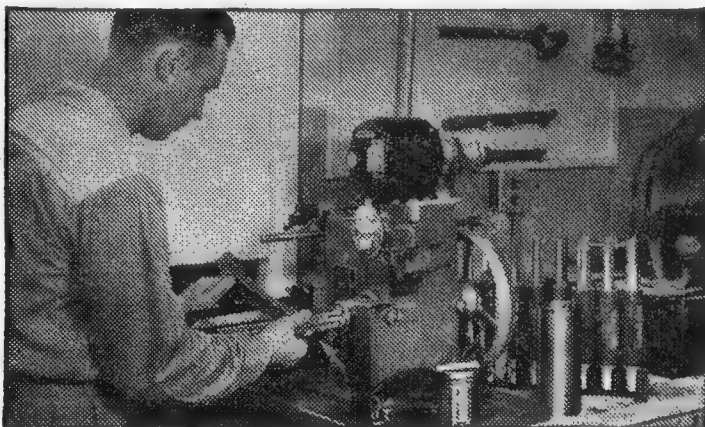
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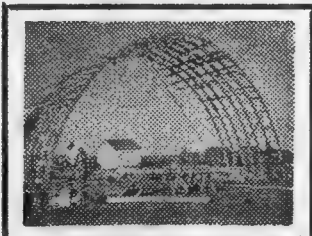
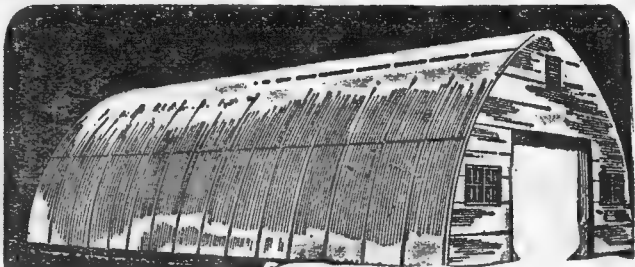
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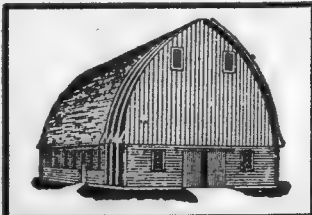
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Our witch's brew of the seven deadly sins

By DR. FRANK S. MORLEY, Grace Presbyterian Church, Calgary.

Jeremiah I: 13, 14:—"And the Word of the Lord came unto Jeremiah saying, What seest thou? And I asked, I see a seething pot; and the face thereof is toward the north. The Lord said unto me, Out of the north an evil shall break forth upon all the inhabitants of the land."

II Kings IV: 40:—"O thou man of God, there is death in the pot."

SO appropriate are Jeremiah's words that many writers think he had our day in mind when he made his prophecy. Our civilization is the seething pot. The evil that shall break forth out of the north is the Russian invasion.

Certainly these words are descriptive of our situation. Armageddon may come at any hour. Communism is out to destroy us. Communism will destroy us in a third world war if it can. There are some people who think that Alberta is out of the range of war. There is no more likely spot for the landing of Russian forces than right here in Alberta. We have a country easy of access. It would be simple for troops to occupy these comparatively empty spaces. Soldiers could live off the land, for Alberta is a rich farming and ranching area. It would be a strategic location from which to attack the United States. And we have great oil resources. We live in a fool's paradise if we think we are safe and secure.

Not only has Communism a terrifying grip on our civilization. We have invited destruction by our lethargy, by our lack of discipline. We are a seething pot of conflicting emotions. Our civilization is a seething pot containing a witch's brew of the seven deadly sins.

Lust

It was a marvellous psychological insight that equated luxury with lust as the first deadly sin. Lust is part of a desire for sensual gratification which pervades the whole body. When luxury comes in simplicity and sincerity are lost. As a young woman said, "I couldn't bear to think that I had missed an experience". She forgot that sometimes the greatest of experiences may be to do without an experience. As James put it, "From whence come wars and fightings among you? Come they not hence, even of your lusts that war in your members? Ye lust and have not: ye kill and desire to have and cannot obtain; ye fight and war, yet ye have not." We have the same love of luxury, the same lustfulness that led Paul to foretell the fall of Athens and Corinth. "O thou man of God, there is death in the pot!"

Wrath

THE second deadly sin is wrath. I got a letter from a man who had not been to church for a long time. Upon returning, he found the Church

full of quarrels. He was thoroughly disgusted. I thank God that Grace Church has been spared the humiliation and bitterness of a Church quarrel. If we find such wickedness in a Church, however, we may expect to find it much more outside. Our society is rent with class cleavage, with struggles between employee and employer, between farm and labour, and in the organizations themselves. Hatred everywhere.

Our world may be destroyed by the hatred between races and nations. Stalin has deliberately encouraged British suspicion of the United States, American suspicion of Britain, the clamor of France for neutrality, the growth of independent nationalism in Western Europe. He has incited hatred in India and China regarding the colour question and Eastern fear of Western Imperialism.

Gluttony

GLUTTONY is the third deadly sin. A European said to me that "Canadians drink like pigs." The Christmas season gave us ample opportunity to illustrate the truth of his statement. Gluttony is however wider than eating or drinking. Gluttony has become an integral part of political strategy.

Now the glory of our country is not that we have abundance of food and clothing. The glory of our country does not consist of our fine homes, our great buildings, or our bank accounts. The splendour of democracy is not that through capitalism we can make more money and achieve a higher standard of living than under Communism.

The glory of democracy is that we have an ideal, an ideal that all men can be free, that all men before God are equal, that all men are brothers, that all men, working in co-operation, can achieve a finer life than men who work under a dictator's lash.

I have read and I have told that when men have to choose between bread and ideals they will choose bread. Poor fools who think this! Think of your millions of martyrs! People die for ideals. Man does not live by bread alone. When people have no ideal they starve. Communism has given them an ideal. It will betray them. It is false. But it is a world vision, and it is a promise of justice and freedom to all men. Unless we have such a vision, mankind will not follow us.

Covetousness

THESE have been the so-called "warm-hearted sins". Covetousness is the first of the cold-hearted sins. No one was ever put out of the Church for it. We call it by respectable names. "He is thrifty". "She is saving". We have organizations

to rescue fallen women, but I never heard of one to rescue fallen financiers.

It is not right to blame any group of individuals. Elie J. Bois, a French business man, was being brought back to England after the fall of France. He was asked, "Why did France fall?" "Because", he answered, "There were too many people like me".

Envy

A SIN closely related to covetness in envy. Envy hates to see anyone making progress. Envy resents anybody getting more money, building a better house, driving a better car, or gaining a position of more power. Envy is possessive and jealous. Whenever you find jealousy, you find envy. Envy hates to see anybody else happy. It is always levelling down, pulling down; never building.

Sloth

A **N**OTHER fine bit of psychological insight equates acedie with sloth. Despair and laziness always go together. When people are working and fighting, they don't despair. We don't think of laziness as a sin usually. It is — a cold-hearted one. Throughout business and industry there is a frightening desire for less work. When I was a boy in the twenties people worked too hard. They worked from twelve to sixteen hours a day. Today only the executives work that hard. We are striving to work less and less. Forty hours — thirty hours. Soon it will be ten hours a week!

Yet, I am more concerned with mental than physical laziness. People are not thinking. A popular phrase is, "I couldn't care less". It carries an abdication of responsibility regarding the training of children, their churches, and their institutions.

I cannot understand your indifference. Our civilization is at stake. This is the most serious hour in the whole history of mankind. What kind of inheritance will you leave your child? The question you have to answer — and it is no rhetorical question, but realistic — the question you have to answer is this: "WILL YOUR CHILDREN BE SLAVES IN RUSSIAN LABOR CAMPS?" "O thou man of God, there is death in the pot."

Pride

THE seventh deadly sin is pride. Pride is the father of all sins. Pride takes away all sense of sin. You find it in people like the man who said, "if everybody were as good as I am there would be no war." You find it in the self-righteousness revealed by the poll which disclosed that the vast majority of people were completely satisfied with themselves. You find it in the egoism of world imperialism. You find it in those religious bodies which claim to have all truth. Pride is the source of all evil, the sin of the Garden of Eden. "O thou man of God, there is death in the pot."

The Social Impact

IF religion is to redeem our civilization, it must have a social impact. It must not be merely "personal piety". Dr. Chappell tells a story about a man converted at a revival meeting. Afterward Dr. Chappell met him and said, "Well, Jim, I hear you were converted last night".

"Well, Jim, I guess you'll pay me that twenty-five dollars you owe me?"

"No; the Lord forgave me that along with other sins."

Like Dr. Chappell, I strongly suspect the genuineness of Jim's conversation. If your religion does not make you honest, it is no good.

Religion must establish a social vision. As a Chinese Christian said, we have allowed the Communists to appropriate our great idea and ideal of the Kingdom of God. Communists say here is the thing. We'll give it to you. We must give men a world view, a vision of world revolution, a vision of what this world should be like.

The modern problem is that men are living "without hope and without God in the world". We can give them God and give them radiant hope. We can rehabilitate man. The Gospel gave man a stature of which Aristotale and Plato never dreamed. Man became heir of God and joint heir with Jesus Christ. A little lower than the angels. Christianity has a plan of salvation for man. Salvation, not only for the individual, but salvation for the world. Once we thrilled men with hope and faith. Let us give them back this dream of the Kingdom of God.

Elisha took meal and put it in the pot. The people ate it and were fed. So into this seething pot, into this civilization, we

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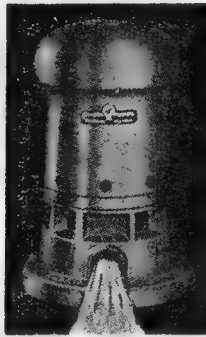
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can pour the meal of pure Christianity. We can put into it the bread of the world, the bread of life, and our people will live. Not only our people. We can feed the world. We can carry hope that will not lie, faith that will not disappoint. Christianity can redeem mankind.

Lord Tweedsmuir said that

the worst ism in the world was neither Communism nor Fascism. The worst ism was pessimism. And we Christians cannot be pessimists. We shall win through despite all the powers of darkness.

"O THOU MAN OF GOD, THERE IS LIFE IN THE POT."



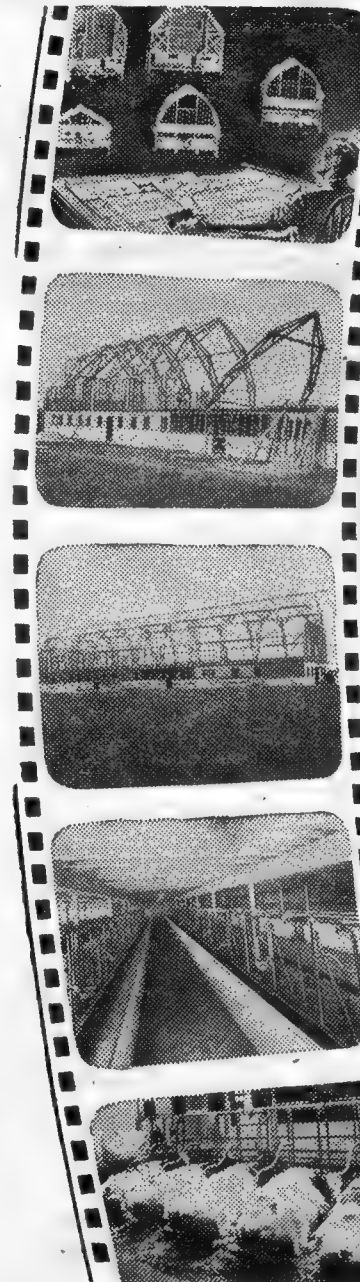
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Fruits from seed the first year; easily grown. Bush form, about one foot high. No runners. Hardy perennial. Bears abundantly from early summer till killing frost. Has an intense luscious flavor and aroma like that of wild strawberry; rich and juicy. Neat compact bushy growth makes it highly ornamental as well as valuable in vegetable, fruit or flower garden, borders etc. A showy pot plant too. Though smaller than commercial strawberries Mont Rosa is the largest fruiting of any variety we know from seed, surpassing the popular solemacher and similar types. Its unique bush form and exquisite flavor place it in a class by itself for every home garden. Seed supply is limited. Order early. (Pkt. 25c) (3 pkts. 50c) postpaid.

FREE OUR BIG 1951 SEED AND NURSERY BOOK



DOMINION SEED HOUSE
GEORGETOWN, ONT.

Master Farm Homes — 4



This is the home and swimming pool of Master Farmer Emile Cammaert, of Rockyford.



THE EXPERTS ADVISE—
A DIGEST OF TIMELY TIPS FROM THE FARM SERVICE BULLETINS

Itch...Itch...Itch I Was Nearly Crazy

Until I discovered Dr. D. D. Dennis' amazingly fast relief — D. D. D. Prescription. World popular, this pure, cooling, liquid medication speeds peace and comfort from cruel itching caused by eczema, pimples, rashes, athlete's foot and other itch troubles. Trial bottle, 35¢. Greaseless. First use soothes, checks raw red itch or money back. Ask druggist for D. D. D. Prescription (ordinary or extra strength).

PILES

Try this Combination Treatment for Pile Suffering FREE!

Those discomforting symptoms of Piles—pain, itching or bleeding—now treated privately and conveniently at home. Pile sufferers everywhere are enthusiastic about this Combination Pile Treatment. Read the statement below:



Mr. O. JONSSON
Box 969, Westbank, B. C.

"I wish to express my thanks to you for what your Treatment has done for me. I was suffering terribly with Piles and I found it difficult to carry on with my work. I am a Bushman or Logger by trade. I feel fine and have felt fine for over 1½ years now, thanks to Page's Pile Treatment. I certainly recommend it to any Pile sufferer."

If you suffer from itching, bleeding or protruding piles, you may have a generous supply of this good treatment absolutely free for the asking. Don't delay. Don't suffer needlessly. Fill out and mail this coupon RIGHT NOW!

FREE

TRIAL COUPON

To prove all we claim, we will send you promptly in plain package, a generous supply of this treatment. Don't wait. Mail coupon TODAY.

E. R. Page Co., Dept. 15E1 Windsor, Ont.

Name _____
Address _____
City _____ Prov. _____

Frozen wheat is good feed

IS frozen grain suitable for livestock feed? If so, how can it best be utilized? These are the questions uppermost in the minds of many of the livestock men and farmers this fall.

Frozen grain — especially wheat — is an excellent livestock feed. It is relatively high in total digestible nutrients, and is quite palatable to all classes of livestock.

Wheat that has an extremely low bushel weight, may not prove satisfactory as the only grain fed to cattle on full feed. It is somewhat laxative in nature, and does not have as high a feeding value as sound, or slightly frozen wheat. However, the very fact that it is somewhat laxative in nature makes it an excellent concentrate for range cattle or sheep where supplemental feeding is practised during the winter months.

Frozen wheat, weighing more than 40 pounds per bushel, is a "heavy" or concentrated feed. As such, it is safest to feed it by weight rather than by measure. One pound of this wheat is equal to one pound of barley in feeding value, and can safely replace barley in the ration of all livestock on this basis.

For steers on full feed, it is safest to limit the amount of wheat to 85 per cent of the grain ration. For pigs, the percentage should be limited to 75 per cent of the grain ration. The balance of the grain portion of the ration can best be made up

of oats or similar feed. In the latter finishing stages (150 pounds and up), the wheat portion should be limited to 50 per cent or less to help prevent over-finishing.


Wintering breeding cows

WINTERING of breeding cows constitutes one of the major problems of the beef cattle industry in the range area. Ranchers endeavour to winter breeding cows at a minimum outlay of feed and labor and still obtain good calf crops. Linseed oilcake has been used to some extent by ranchers to maintain the herd through short periods of especially severe weather. Last winter the Range Station ran a test to study the economy of feeding around 2 pounds of oilcake per head daily through the last ten weeks of winter.

Two groups of mature Hereford cows were put out on winter range. On January 17, the feeding of linseed oilcake to one group was commenced. The feeding went on until March 30, the cows having received on the average 2.2 pounds of oilcake per head per day. Both groups of cows received hay for about ten days during especially severe weather. The cost of feeding the oilcake group was \$6.65 per head and the cost of feeding the control group was \$1.33 per head.

The cows receiving oilcake lost less weight during the winter, but gained less during the

(Continued on page 23)



PREVENT NUTRITIONAL SCOURS AND RICKETS
BUILD RESISTANCE AGAINST INFECTION

"CALVITA" CALF SAVERS
REGD.

"Calvita" Calf Savers prevent nutritional scours, digestive upsets, colds, pneumonia, rickets and get calves off to a flying start, assuring sound and profitable development.

For normal, healthy, scour-free calves, feed "Calvita" Calf Savers (from birth). One box of 21 capsules (a complete treatment) for one calf costs only \$1.25 and supplies adequate amounts of Vitamin A, D and Niacin all through the vulnerable first three weeks of a calf's life.

DON'T DELAY — ORDER TODAY
From your feed, seed or drug store or direct C-5.

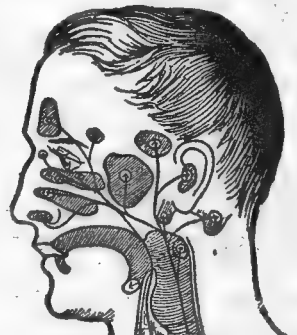


MOVING? Be Sure To Notify THE FARM AND RANCH.

Catarrh SINUS MISERY DISCOVERY

Triple method attacks Catarrh and Sinus Pain and helps bring quick relief with first treatment.

PAMPHLET FREE



Some of the shaded spaces above show the sinuses in which catarrh often collects causing the disagreeable symptoms suffered so widely. The entrances to the sinuses may become swollen and block drainage causing pain and acute misery.

This discovery may open the path to your prompt relief from such symptoms as—

Nasal Catarrh, Clogged Nostrils, Difficult Nose Breathing, Mucus Discharge, Sinus Pain, Dull Hearing—caused by nasal congestion.

SATISFACTION OR NO CHARGE
Have you a catarrhal condition such as clogged nostrils, mucus dropping back of throat? Does your nose feel "stuffed up" and are you continually obliged to clear your throat? Is breathing through the nose difficult due to the catarrhal condition, and do you have to blow the nose frequently in endeavor to clear the mucus discharge? These are some of the common symptoms of nasal catarrh—so prevalent in this region and it may pay you to check them carefully.

If any of these symptoms are yours, you should write at once for our free Pamphlet. Medical research has found relief for such catarrhal conditions in a Chinese Herb called Ma-Huang. Treated by Western chemists this becomes ephedrine, and used with other remedial ingredients of recognized merit in medicine, makes a fine product which seems to quickly relieve accessible catarrh. Nose Drops and Inhalant complete the triple method. Write for FREE PAMPHLET which indicates how relief may be quickly obtained. The Heather Co., 484 McGill St., Montreal, Dept. 61.



"The price any old skate brings for beef, I figure this is a mighty good time to switch to purebred Jerseys. I can sell a few culls for enough to make a nice start."

It will pay you, too, to do some "figuring" on this situation. For full and fair information, without obligation, write O. C. Evans, Western fieldman, Chilliwack, B.C., or

THE CANADIAN JERSEY CATTLE CLUB

749 YONGE ST. TORONTO

NEW MIRRORS, Made to Order

Any Size or Shape

THE BENNETT GLASS CO. LTD.

M 1778—228 - 7th Ave. East, Calgary



Protection Against the Hazards of Winter Infections!

The wet chill of Fall and Winter calls for protection against Hemorrhagic Septicemia.



FRANKLIN

Corynebacterium - Pasteurella Bacterin

has an outstanding record for building up the needed resistance.

Long experience has demonstrated that a practical degree of protection against so-called Shipping Fever is obtained by the timely use of this combination product.

READY FOR YOU

Fully illustrated catalog of the complete Franklin line—some 300 items useful in handling livestock. Valuable data on disease prevention. Numerous new items. Money saving ideas. Latest information. An authentic buying guide covering vaccines and supplies for livestock. Be sure to get your free copy.



O.M. FRANKLIN SERUM CO.

DENVER KANSAS CITY EL PASO MARFA AMARILLO FT. WORTH
WICHITA ALLIANCE SALT LAKE CITY LOS ANGELES
PORTLAND BILLINGS CALGARY

Franklin Drug Store Dealers

(Continued from page 22)

summer, so there was no advantage there. The birth weights and weaning weights of all the calves were taken and no difference found.

Under the conditions of this experiment the feeding of linseed oilcake for the last ten weeks of winter was uneconomical. But whether or not it would be economical over a long period can not be said until further trials are run.

Fire precautions this winter

"BABY, it's cold outside"—wouldn't it be terrible to have to leave your cozy home some wintry night. It could happen just because you forgot to turn off the damper on the stove. Of course, the damage might be limited if some fire-fighting equipment is near at hand.

There are many common habits, which are actually dangerous from the standpoint of fire. The practice of filling gasoline lamps while in the house, the use of gasoline as a cleansing agent, or the use of kerosene for starting the fire in the kitchen stove—these are some of the most common and dangerous practices.

With the coming of winter months, heating units which have been standing idle all summer will be brought back into use. This in itself presents a fire hazard. More of the work will be done inside of buildings, such as the barn, machine shed and workshop which, no doubt, will be the main centre of activity. Smoking, therefore, becomes a greater fire hazard.

Have you a fire extinguisher in your house? If you have, is

Beef consumption down 9 per cent

DOMESTIC consumption figures for beef in the first seven months of this year showed a total of 315.9 million pounds, a decrease of 31.1 million pounds, or 9 per cent drop from the same period in 1949.

The largest monthly reduction occurred in July when nearly 42 million pounds went into consumption, which was 10½ million pounds less than July of last year, according to figures released by Marketing Service, Department of Agriculture, Ottawa.

Big cheque

ONE of the largest single settlements ever made by the Alberta Wheat Pool to a patron went to Mike Stanko, large-scale farmer in the Lethbridge district. The cheque for \$58,472.47 covered the delivery of 37,560 bushels of Number 1 Northern wheat which Mr. Stanko made to the Alberta Pool Elevator at Tempest in an eight-day period last March. Mr. Stanko joined the Alberta Wheat Pool in 1923 and since that time has consistently hauled his grain to Alberta Pool Elevators.—Budget.

it located near the stove or furnace where fires are most likely to start? Or is it back in some far off corner, behind an open door? A fire extinguisher is of little value if it is necessary to run or down a flight of stairs before being able to reach it. A small barrel of sand makes a very good extinguisher, especially for grease and oil fires, and it makes a good receptacle for cigarette butts, and such.



ALUMINUM BUILDING SHEETS

New Ribbed Aluminum for roofing, siding, rust-proof, bright, no painting. Smartest looking farm buildings are aluminum. 26 Gauge, 26" wide, covers 24". 6' \$1.90; 7' \$2.21; 8' \$2.51; 9' \$2.82; 10' \$3.13; Ridge Cap, 45c Ft.; Drip Starter, 30c Ft. 1½" aluminum roofing nails, 75c lb. Orders over \$25 prepaid. J. J. Hambley, Hatcheries, Winnipeg, Brandon, Regina, Saskatoon, Edmonton, Calgary, Abbotsford, Portage, Dauphin, Swan Lake, Boissevain.

HAMBLEY B.B. BRONZE POULTS

Now booking March to June deliveries. All Government Approved, Pulorum Tested stock. 100, \$90.00; 50, \$46.00; 25, \$23.50; 10, \$9.50. Send 20% deposit. Guarantee delivery date. J. J. Hambley Hatcheries Ltd., Winnipeg, Regina, Edmonton, Abbotsford.

CACTUS

30 VARIETIES 20c

Most interesting houseplants, extremely odd and curious. Many have gorgeous and sweet-scented blossoms. We offer an excellent mixture of 30 varieties of both the cultivated and desert varieties, all of which thrive under living-room conditions. Grown easily from seed. A simple way of getting a wide assortment of these charming and interesting plants. Plant now. (Pkt 20c) (3 Pkts 50c) postpaid.

SPECIAL OFFER: 1 pkt as above and 5 pkts of other Choice Houseplant Seeds, all different and easily grown in house. Value \$1.25, all for 60c postpaid.

FREE OUR BIG 1951 SEED AND NURSERY BOOK

DOMINION SEED HOUSE
GEORGETOWN, ONT.

This Medicine Helps 3 Ways



1 Forni's Alpenkrauter provides prompt, gentle, comforting relief from constipation and such symptoms as headache, indigestion, nervousness, loss of sleep, lack of appetite, flatulence when due to sluggish elimination.

2 Forni's Alpenkrauter is a time-proved stomachic tonic.

3 Forni's Alpenkrauter's carminative action helps relieve sour, gassy, upset stomach.

Alpenkrauter is an exclusive formula—a compound of—(not just one or two)—but 18 of Nature's herbs, roots and botanicals—which has proved effective for over 80 years. Try it today and see if it isn't just the medicine you need. Get Alpenkrauter in your neighborhood or send for our special get acquainted offer.

MAIL this "SPECIAL OFFER" Coupon—Now

☐ Enclosed is \$1.00. Send me postpaid regular 11 oz. bottle of ALPENKRAUTER.

☐ Send C.O.D. (charges added).

Name.....

Address.....

Postoffice.....

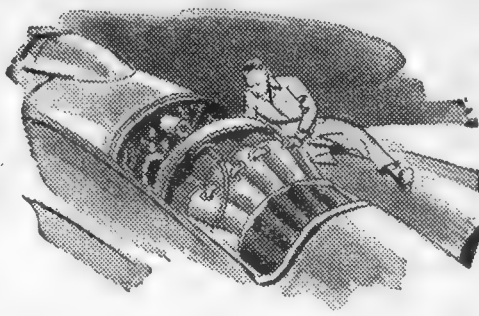
DR. PETER FAHRNEY & SONS CO.
Dept. C964-43J

2501 Washington Blvd., Chicago 12, Ill.
256 Stanley St., Winnipeg, Man., Can.

Preparedness is the best protection against aggression



INSTRUMENT TECHNICIAN

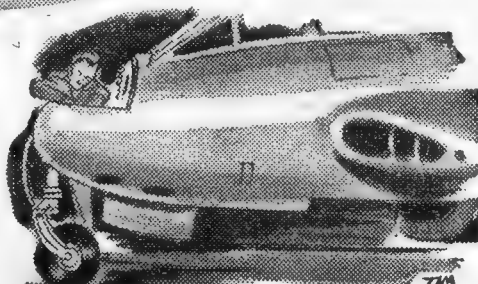


AERO-ENGINE TECHNICIAN

**YOU
CAN START YOUR
TRAINING IMMEDIATELY
in the
RCAF
in any one of these
SKILLED TRADES**



RADAR TECHNICIAN



AIRFRAME TECHNICIAN

Here is an opportunity to fulfill your duty to your country, and acquire a valuable training at the same time. You must be between 18 and 30, and in good physical condition. Educational requirements depend on the trade category concerned.

Do your part to help Canada do her part!

Royal Canadian Air Force

**ACT NOW—
CONSULT THE CAREER COUNSELLOR
AT YOUR NEAREST R.C.A.F.
RECRUITING CENTRE**

or mail this coupon



**NORTH WEST AIR COMMAND, R.C.A.F.,
EDMONTON, ALBERTA**

Please mail me, without obligation, full particulars regarding enlistment requirements and openings now available in the R.C.A.F.

NAME (Please Print).....

STREET ADDRESS.....

CITY.....PROVINCE.....

EDUCATION (by grade and province).....

AGE.....

WF2

Shelters for swine breeding stock

SWINE breeding stock thrive, develop and breed most satisfactorily under the natural semi-outdoor conditions associated with pasture, range and outdoor shelters, says W. W. Cram of the Experimental Farm, Indian Head, Sask. Under such conditions the animals obtain the benefit of direct sunlight, fresh air and exercise the year around. When pasture crops are supplied during the growing season the fresh green forage is an economical and healthful supplement to the grain ration.

At the Experimental Farm, Indian Head, Saskatchewan, small 6 by 8 foot gable-roofed cabins provide cheap and highly satisfactory shelter for boars and dry sows of breeding age at all seasons of the year. In addition, young growing stock including boars and gilts from the weanling stage on, are housed in these cabins on pasture during the spring, summer and fall months. Each cabin accommodates 3 to 4 mature sows or 6 to 10 or more younger pigs according to age and size. Young boars and gilts are separated into different pasture lots when they become sexually developed.

These cabins are constructed on skids with plank floors. The walls and roof are of single ply rough lumber, the cracks between the roof boards being covered by battens to shed the rain and snow. An opening located in the south end of each cabin serves as both door and ventilator. The skids permit easy and quick moving to a new location or fresh ground as required.

For winter use, the cabins are crated with boards or woven wire and banked with tightly packed straw, while the roof is also covered with a good depth of straw. A porch is constructed in front of the open door of each cabin to serve as a wind-break.

In any type of outside winter shelter it is very important that an abundance of dry straw be provided for bedding and that this be replaced as often as necessary to maintain a dry, clean condition of the litter.

At the Indian Head Farm the cabins or shelters are located at one end of quarter-acre pasture lots while feeding is done at the opposite end of the lot, thus forcing the stock to take a reasonable amount of exercise even during severe winter weather.

Publication 618, "The All-Year Hog Cabin," which supplies plans, specifications and a list of materials for the construction of these shelters may be obtained free upon request from your nearest Experimental Farm or Station.

WANTED 1000 MEN AND WOMEN GOING BALD and LOSING HAIR

WORRIED ABOUT FALLING
HAIR AND HAIR CONDITION

To Send For

3-Day Test Package

Of Scalp Tonic with FREE
Booklet About Hair Troubles
And How To Treat Them.



CUSTOMER'S REPORT

"I can hardly put into words the satisfaction and benefit derived from the Renair Process. My head is now fully covered with hair."—W. H. Cosway.

This booklet explains how many people may retain and improve their hair condition by using the Renair Process for the Hair, discovered and perfected in England. An English firm engaged in treating hair and scalp conditions developed what is now known as the Renair Process of Scalp Stimulation for helping hair growth. The recorded results from users of this process have been truly remarkable. Folks who are worried about their hair are advised to send for the FREE Three-Day Test Package and learn more about the process and how it may possibly help them.

HAVE YOU ANY OF THESE HAIR TROUBLES?

If your hair is receding at the forehead or thinning at the crown, it is time to take action, and see if this condition can be checked. It should be worth your while to get this FREE TEST package and illustrated free book describing the Renair Process and the method of assisting hair growth that so many people say has helped them. The Renair Process has also helped patchy baldness where hair regrowth was possible. Or if your hair is poor in texture, dry, dull and brittle or deficient in quality or quantity, this book tells how these same conditions have often been quickly helped by the Renair Process of Scalp Stimulation that has pleased and delighted thousands. Write today.

--- MAIL THIS COUPON ---

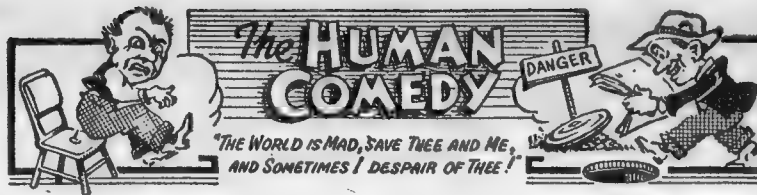
Mr. Frederick Godfrey (Dept. 74C)
484 McGill St., Montreal

Please send me FREE the booklet, "THE RENAIR Process for the Hair," and FREE three-day testing package of your scalp stimulant. (You may, if you wish, enclose 10c in stamps or coin towards postage and packing).

NAME _____

ADDRESS _____

(Use Block Letters)



Master's Voice

In Newark, Ark., a span of mules heard the opening bars of "Mule Train" over a nearby jukebox, broke into high gallop at the first "Hiyah," scattered and splattered their load of plows all across town.

Armored Warfare

In High Point, N.C., Nollie Parker asked doctors to remove a .32-cal. pistol slug from the back of his head, walked calmly out of the hospital with his trophy and a slight headache.

Yard Birds

In Medford, Mass., Tufts College Professor Kenneth D. Roeder, studying insect nerve reactions, sadly reported that a detail of cockroaches supplied by the Army were so lazy that they refused to hop even for science.

Occupational Hazard

In Melbourne, Australia, the Underwriters Council approved full benefits under the Workers' Compensation Act for anyone who dislocated his jaw while yawning at work.

Foreclosure

In Sutton, W. Va., Hartzel Friend was held on assault charges for sinking his teeth into the hand of an obstinate debtor, hanging on until the man wrote him a check with his free hand for the \$15 debt.

Courtesy of the Road

In Fayetteville, N.C., Mrs. Myrtle Melvin, impressed because she was "treated so nice" by the bus driver who halted at the edge of the highway for half an hour while she gave birth, named the newborn daughter Queenie — after the Queen City Trailways bus line.

The Other Half

In Woodward, Okla., Walter Thomas went to a Kiwanis benefit auction, successfully bid for a coat, donated by his wife, which just matched his own pants.



"While you were gone I decided that we can afford an automatic dish washer after all."

Trademark

In Plymouth, England, when Pianist Theodorus Peonides sued his hairdresser for £200 damages, on the ground that he had contracted a hair-destroying skin disease, the judge awarded him only £60, ruling that the loss of long hair does not detract from the earning power of a musician.

Fitting Reward

In St. Louis, Earl ("Tiny") Bechtold won first place in a contest at Barney's Army Store for the man with the biggest waistline (62½ inches), claimed his prize: a pair of tailored slacks.

New Look

In Depew, N.Y., U.S. Secret Service agents who seized a printing press and rounded up two men reported several new wrinkles in the counterfeiting trade: besides finding a lithograph plate designed for printing phony tickets to South Pacific, they learned that the counterfeiting ring had been offering West Coast outlets their choice of either new or old twenty-dollar bills — i.e., with or without the White House balcony.

Iron Curtain

In Manhattan, Associated Fur Manufacturers Inc. ruefully disclosed that twelve live Russian sables sent to the U.S. (in trade for twelve U.S. minks) to be used for breeding purposes, had been sterilized before shipment from the U.S.S.R.

Free Demonstration

In London, while hundreds of visitors crowded Selfridges' department store to watch a Scotland Yard exhibition on crime-prevention methods, a young man dipped into the second-floor cash register and made off with the day's take.

Touch of Realism

In Cincinnati, a hopeful candidate for the police force (who was rejected) came quickly to the point: he was interested primarily, he said, in getting in on the graft from downtown saloons.

The Criminal Mind

In Newark, N.J., burglars pried open a safe, took \$500 in cash and stamps, left a wall motto hanging from the broken safe door: "SMILE."

Counsel and Advice

In Manchester, England, a survey conducted by a hatters' association showed that it takes a man five to ten minutes to buy a hat if he shops by himself, 30 to 40 minutes if accompanied by his wife.

ALOX
BUILDS BETTER LIVESTOCK

You'll raise top-grade cattle, Mr. Farmer, with ALOX Linseed Oilcake and Meal. Unusually high in protein value and certain "fats", ALOX raises top-grade cattle with sleek, glossy coats and well-meated flanks. You'll find ALOX in 50-pound paper bags and 100-pound jute sacks at leading feed stores everywhere.

For better more-tasting paint jobs keep ALOX Linseed Oil always on hand.

THE ALBERTA LINSEED OIL CO. LIMITED
MEDICINE HAT, ALTA.

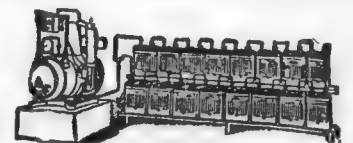
Thin, rundown wife gains 16 lbs.

Gets New Pep, Steady Nerves

"I was very much underweight; also rundown, nervous. I took Ostrex. Gained 16 lbs. I felt fine, tired feeling and nervousness were gone."—Mrs. L. Savard, Matagami Heights, Ont.

What a thrill! Thin limbs round out; hollows fill up; body looks healthier, more attractive. Thousands praise Ostrex, weight-building tonic. Enriches blood, aids appetite, digestion so food gives more pep, nourishment; puts flesh on bare bones. Don't fear getting too fat. Stop taking when you reach desired weight. Introductory or "get-acquainted" size only 60¢. Try Ostrex Tonic Tablets for new pounds, new pep, today. At all druggists.

Mrs. L. Savard



DELCO LIGHT

PARTS AND BATTERIES

Specialists in all types of farm
Electrical Equipment and Supplies.

BRUCE ROBINSON ELECTRIC Ltd.

CALGARY — EDMONTON

Since 1916 — 34 years in Alberta

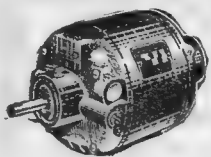
TINY TIM WINDOW BOX TOMATO



For pots, boxes or garden. Extremely early. Tiny Tim is only 8 inches high, dwarf and compact. Loaded with clusters of bright red fruit up to one inch across. Though rather small, Tiny Tim gives you delicious fine flavored fruit before other home grown sorts and when shipped-in tomatoes are so expensive. Colorful and ornamental too for pots or garden. (Pkt 20c) (1/2 oz 75c) postpaid.

FREE OUR BIG 1951 SEED AND NURSERY BOOK

DOMINION SEED HOUSE
GEORGETOWN, ONT.

**32 VOLT SPECIAL
ON MOTORS****ONLY
\$10.00**

1/4 H.P., 3,500 R.P.M., less base, suitable for grinders, or shop work.

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ELECTRIC LTD.
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GLASS FOR AUTOMOBILES
All Models — Prompt Shipment

THE BENNETT GLASS CO. LTD.
M 1778 228 - 7th Ave. East, Calgary

**Poultry-house floors
come down to earth**

EARTH floors in poultry houses provide farmers a foundation to modern poultry-raising if they will use built-up litter.

Mahlon Sweet, poultry specialist at Ohio State University, reports that it is not necessary—in fact it is poor economics—to put an expensive wood or concrete floor in a poultry house.

The trend is back to earth floors, now that the value of built-up litter is recognized, Sweet says. Built-up litter can be made a good sanitation procedure and a source of valuable nutrients. It is a source of the animal protein factors, including Vitamin B-12.

Sweet says four primary requirements are necessary to provide favorable conditions for built-up litter to work the best.

Built-up litter should be six to 12 inches deep so that it will absorb fresh droppings and moisture. Depth lets chemical reactions take place and provides a home for helpful bacteria.

To keep litter in an absorbent condition the farmer will have to stir it when it begins to cake over on the surface. Sanitation is assured when droppings are mixed into the lower part of the litter where chemical and biological activities take place.

Moisture and heat are needed for activities that go on in built-

up litter, but poultry raisers seldom need be concerned about providing them.

If litter gets too wet, it's probably because of over crowding, litter too new or too shallow, faulty housing, leaky waterers, or weather conditions ground raw limestone should be added to promote dryness. But excessive lime will make litter too dry.

Excess moisture in new litter can be remedied by adding more litter. It should be started at least four to six inches deep. New litter is added until a depth of eight to 12 inches is reached. No litter should be removed before that.

Six to eight inches of built-up litter should be left after removal. Farmers can use just about any material for built-up litter that they have used successfully before.

PRIZES... PROFITS... AWAIT YOU...
in the SENSATIONAL
"MIRACLE"
FEEDS CONTEST!

More than 60 valuable prizes — including three new CHEVROLET Sedans — will be given away in this big three-part contest. It's easy to enter... easy to win.

Every bag of "Miracle" feeds you use from now until next May gives you another chance to win a valuable prize. And, you're sure to profit with better-fed, more productive livestock.

USE "MIRACLE" FEEDS... WIN ONE OF 60 PRIZES

- | | |
|------------------------------|-------------------------------------|
| 3 New Chevrolet Sedans. | 3 Northern Electric Console Radios. |
| 3 Leonard Refrigerators. | 45 Northern Electric Mantel Radios. |
| 3 Gurney Ranges. | |
| 3 Gainaday Washing Machines. | |

(Plus 60 cash awards to be won by "Miracle" Dealers)

Equal alternative prizes for non-electrified areas.

Winners of one of the three Chevrolets and one third of the additional prizes will be announced on each of the following dates.

First Group — Dec. 15, 1950 • Second Group — Feb. 28, 1951

Third Group — May 15, 1951

SEND IN AS MANY ENTRIES AS YOU WISH — THE MORE ENTRIES YOU SEND IN THE MORE CHANCES YOU HAVE TO WIN.

Rules are simple. The tag attached to every bag of "MIRACLE" Feeds — except Scratch Feed for poultry — contains an entry form. Just tell us in ten words or more how many bags of a particular "Miracle" Feed you have used and why you like it. Mail the completed blank to: Contest Division, Dept. "M", The Ogilvie Flour Mills Company Limited, P.O. Box 7500, Montreal, Que.

YOUR PROFITS ARE IN THE "MIRACLE" BAG.

Feed your livestock the accurately balanced rations in "MIRACLE" Dairy, Hog and Poultry Feeds — and watch your profits increase. There are bigger earnings in every "Miracle" Feed Bag... and opportunities to win big prizes on every tag.



THE OGILVIE FLOUR MILLS COMPANY LIMITED





The teachers re-act

To the Editor:

I was most annoyed at the unfair attitude taken towards the teacher in the last paragraph of your editorial on "School Teachers and Trade Unions." For the life of me I cannot understand where you got the idea that a teacher's day ended with the ringing of the dismissal bell. Don't even the educated, intelligent people realize that that is barely one-half of the day's work? For the twelve years I've taught I have seldom been able to call it a day's work before eleven or after. If you are a man, there are skating rinks to repair and organize, curling to supervise, summer sports to carry on, one or two hours of homework, university lessons for the same length of time, and so on. The lady teacher has an almost like amount of work with perhaps some optional extra-curricular activities. Furthermore, have you ever stopped to think that the ten months of teaching is far more exhausting than one is given credit for. When the holidays come around one must work very hard at summer school to advance one's standing. Is it fair to put us in the comparison scale with employment that demands much less educational training? Do not we work with the greatest of our natural resources and not with so much unshapen substances of wood, metal or what have you? Remember that a teacher's worth goes much beyond the hours spent in the classroom. They take the responsibility of extra-curricular work and general leadership throughout the community. Yes, I believe that your last paragraph was most unfair.

P. Wm. Hauk.

Fox Valley, Sask. ?

★ ★

To the Editor:

It is always interesting for teachers to read an editorial concerning their profession. In reference to your editorial of December, 1950: "School Teachers and Trade Unions," we are glad to see that you realize at least partly, the value of the teaching profession, but it would help the cause of education much more to have editorials written by better informed individuals.

No doubt it took some mathematical genius to figure out how many hours of school there are in a year and some of the same ability to divide that number into the yearly average

salary to arrive at the sum of \$1.85 per hour, but the editor would have arrived at a different conclusion had he taken his own circumstance into account. We would think that there is more to publishing a newspaper than merely printing the material. Just as the material for a newspaper must be collected, sorted, evaluated and arranged, so must lesson material be collected, sorted, evaluated and arranged. The time a teacher spends in a classroom is only a small part of the time a teacher spends at work. Certainly a teacher's day is not over when the children are dismissed, and it certainly begins before the first morning bell rings.

If you would have done more investigating and thinking before writing, you would not have mentioned the recess time as though the teacher had nothing to do in that time but wait for time to pass.

Perhaps it would be better for you to think more before you say that teachers work "slightly over nine months." Then perhaps you would think of many who spend what others take as holiday-time studying.

Had you left out the last paragraph of your editorial until you knew the facts your editorial would have been much better.

I trust we have been able to enlighten you and that in future you will present the "case" in a truer manner.

(Signed)

L. Digneau, W. Dumanski,
H. Petryshen, S. Jones,
C. Ratzlaff,

Experienced teachers taking courses at the College of Education, University of Saskatchewan.

★ ★

Disability pensions

To the Editor:

AT the close of War I, thousands of our ex-enemies, Germans, Austrians, etc., settled in Canada, and now at the age of 70, they are receiving Old Age Pension, while we, the disabled veterans of that war, are debarred from it because we get a meagre disability pension. How logical? Go overseas to defend Canada's wealth and liberty, get shot up and maimed, or blinded, and as soon as you accept a disability pension, you forfeit your civil rights to a much larger Old Age Pension.

What a jackass of a law, and what an incentive to patriotism and loyalty.

Tom L. Poulsom.
Rochfort Bridge, Alta.

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Data Taken From Fertilizer Trials of 1950 — Dept. of Soils — University of Saskatchewan.

Location and Name of Cooperator	Crop	Yield in Bushels/Acre Check 5-10-5 Treated Seed	Gain or Decrease	Increase or Decrease
Bunn, Qu'Appelle	Thatcher Wheat	23.7	23.0	-0.7
Dohms, Fenwood		27.1	30.4	+3.3
Gleave, Dodsland		29.1	35.6	+6.5
Gardiner, Regina		10.8	12.7	+1.9
Perron, Montmartre		23.7	22.4	-1.3
Lutz, Fenwood		25.9	26.8	+0.9
MacKenzie, Wynyard		31.3	35.5	+4.2
Mortensen, Pontrilas		11.0	13.8	+2.8
Pawlyshyn, Goodeve		31.8	29.2	-2.6
Schlenbier, Southey		21.2	26.4	+5.2
Pederson, Fossten		17.2	20.3	+3.1

Cooperative Fertilizer Trials, 1950, For "NA-CHURS" LIQUID FERTILIZER AT ALBERTA:

Location and Name of Cooperator	Crop	Yield in Bushels/Acre Check 5-10-5 Treated Seed	Gain or Decrease	Increase or Decrease
Morden, Lethbridge	Wheat	25.7	27.2	+1.5
Christensen, Chancellor	Wheat	29.0	30.0	+1.0
Murray, Claresholm	Wheat	31.0	31.2	+0.2
Mohler, Camrose	Wheat	16.2	19.8	+3.6
Hammer, Wetaskiwin	Wheat	25.7	24.7	-1.0
Olson, Bawlf	Wheat	9.4	10.0	+0.6
Volkman, New Sarepta	Barely	31.3	29.0	-2.3
Mackenzie	Barley	21.4	18.8	-2.6
Buchan, S. Edmonton	Barley	22.6	21.9	-0.7
McLaughlin, Spruce Grove	Barley	43.9	44.1	+0.2
Hall, Bon Accord	Oats	30.7	30.8	+0.1

Liquid Fertilizer Experiments With Wheat At Beaverlodge, Alberta, and Tupper Creek, B.C.

Beaverlodge, Alberta	Wheat	2.9	4.0	+1.1
Tupper Creek, B.C.	Wheat	7.6	10.3	+2.7

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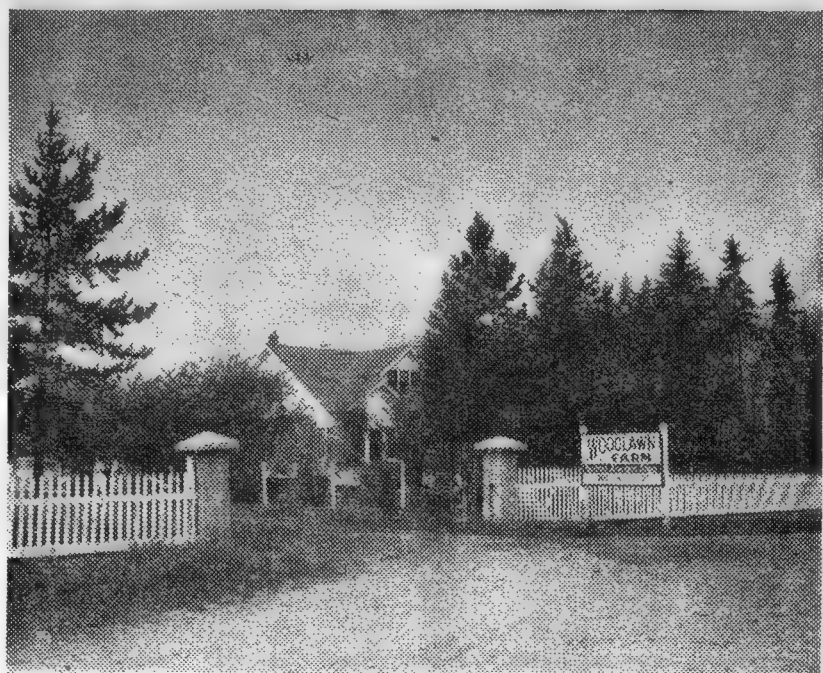
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Master Farm Homes — 5



This is Woodlawn Farm, home of Master Farmer Roy Ballhorn, Wetaskiwin.

Instead of dyke building, what about tree planting?

(From Newsweek Magazine)

SEABROOK FARMS had long been plagued by a problem that would have sparked an envious gleam in the eye of many a thirsty Western farmer. The giant vegetable garden which sprawls over 20,000 rolling acres in Southern New Jersey had too much water.

The trouble came from Seabrook's freezing plant, which on peak packing days pours forth a 10-million-gallon torrent, polluted with vegetable scraps. Formerly, when the food-processing operation was relatively small, the waste water could be dumped into artificial lagoons and trickled into streams. In recent years Seabrook started filtering and chlorinating to remove all foreign matter except some dissolved and suspended starch and sugar. Nevertheless, nearby townspeople, recalling a wartime dehydration venture which had raised a mild stench of decay in their water supplies, clamored for greater purity.

Jack Seabrook, the company's boyish-looking vice-president and a trained engineer, investigated ways further to purify the waste water. By last summer he had concluded that only one method stood a chance of succeeding: bio-filters—i.e., gravel beds in which special micro-organisms digest organic matter. A bio-filter plant would cost more than a million dollars, and even then it might not work.

Before embarking on this expensive and doubtful project, Seabrook called in Dr. C. W. Thornthwaite, who doubles as the company's climatologist and head of the John Hopkins University Laboratory of Climatology at Seabrook. Perhaps the water could simply be put back into the earth. Irrigation would use up only a few per cent of the volume, but maybe

the troublesome liquid could be soaked up in unfarmed acres.

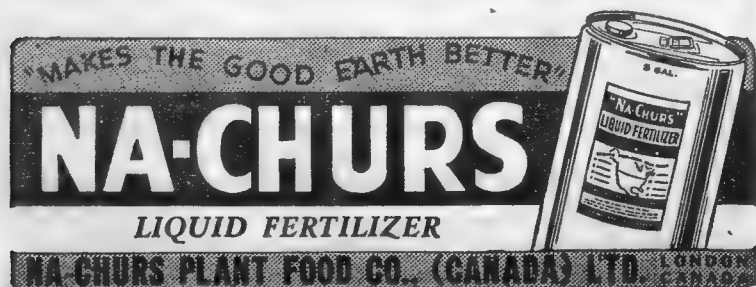
Thornthwaite set up a spraying system on an unused field covered with sparse red-clover crop. In two hours his rotary sprayer had spewed two inches of water on an acre of sandy soil. Then the earth was surfeited; the surface had changed to a sandy soup.

Hopeless though the idea seemed, Thornthwaite moved his sprayer 500 feet to the edge of a scrubby white-oak forest. For two days he rained water on an acre of woodland, but as fast as it fell it was soaked up. Changing to a much larger nozzle, he poured on 50 inches of water in the next ten hours. Still the earth drank like a dry blotter. Although the forest floor was the same yellow sand as the clover field, for some reason a seemingly limitless amount of water could be soaked up under the trees, filtering down through alternate layers of sand and gravel to a stratum of black muck, almost 200 feet below.

This week, with the final peak packing period (the spinach harvest) in full swing, Seabrook Farms seemed to have solved its waste disposal problem.

Water from the filtration-chlorination plant was flowing down a two-mile earth-banked canal, which had been dug this spring. At three pumping stations the water was forced into pipes leading to a total of 54 rotary sprayers strategically scattered through the woods.

Aside from droplets that glittered on leaves within range of the spouting sprayers, the forest seemed no wetter than ever. Weekly readings at 30 observation wells have shown that the water percolating through the soil has raised the ground wa-



The water-diviners have a new wrinkle

By CAPT. T. KERR RITCHIE

THE art of dowsing (or divining), usually for water, suggests to most people nothing short of magic or make-believe. Foolish supervision and fancy sentiment almost cloud the true facts. The popular idea of a dowser is a doddering old yokel making mystic passes with a pair of sticks cut from a hedge when the moon is in a certain quarter.

That is all wrong, anyone who cares to develop his skill can become a water-diviner; but success is not for everybody.

Let us get down to the tools and methods of the dowser's business. Instead of the old-time forked hazel or willow twig, the modern dowser generally uses two long, slim pieces of whalebone. These are bound together at one end with linen thread. Personally I've never been able to understand why whalebone should be chosen rather than plastic rods or anything else, though the whale has

an uncanny liking to plunge deeper into the depths of ocean than any other animal.

With the bound ends of whalebone pointing away from the body, the loose ends are spread apart, one in each hand. They are held lightly between thumbs and forefingers. The palms of the hands are kept upwards and as flat as possible.

When a find is made, the bound ends twitch sharply up or down. It is an unmistakable reaction and strictly beyond the dowser's control. When the dowser has reached a spot where the ends of the thin whalebone are pointing up or down at right angles to the ground he concludes there is a stream or seam of water directly underneath. By walking backward from this spot and counting his paces (each stride being considered as three feet), he returns to a point where his whalebones cease to twitch. Immediately they cease the dowser adds up his paces and announces the number of feet the water is below the ground surface.

The other instrument most often used is the pendulum, generally made of wood, but often of ivory, glass, metal or almost any other substance. It weighs from one to two ounces, with a string supporting it held by the thumb and forefinger, with the other fingers spread out fan-wise.

Over water, metals, and other substances, the pendulum reacts by gyrating in a clockwise or anticlockwise motion. At other times it oscillates.

Oddly enough it has been noted that better results are obtained if the rod or pendulum are coloured black, with their binding or supporting string white.

One of the simplest lessons is to put on the floor a steel or iron poker and walk towards it at right angles to its length, holding the rod or pendulum ahead of you. As you near the bar the rod will twitch until, directly over it the bound ends rise up or dip down. The pendulum begins by oscillating; over the bar it will gyrate.

At first you may be disappointed not to get any reaction. Try taking a few deep breaths before beginning. Above all constant practice brings results; though successful water divining wizards are comparatively rare.

Out of Season

In Sheridan, Wyo., residents who turned up at the municipal swimming pool on the hottest day of the year (100° at mid-day) were greeted by a notice reading "Closed for the Winter."

ter level somewhat. But by this week enough springs had developed to establish an equilibrium; pure, potable water was flowing out of the woods as fast as the waste was being pumped in.

Seabrook's unique disposal scheme cost less than \$100,000, most of the money going for such recoverable equipment as pumps, pipes, and irrigation sprayers. To operate it costs no more than bio-filters and other more elaborate methods. Whether meat packers, canneries, and other food processors, under pressure to clean up streams neighboring their plants, can adopt similar systems to get rid of their wastes remains to be seen. It will depend, for example, on available unused land and local soil conditions.

In addition to solving an immediate problem, the Seabrook method raises a number of interesting and broadly significant questions, among them:

What will happen to the plant and animal life of the undated woodland? Averaging more than 50 inches of precipitation per week, it is probably the wettest forest on earth. The world's heaviest rainfall is only about 600 inches per year in Cherrapunji, India.

What had farming done to the soil in the clover field? Obviously the tilling of the earth had reduced its permeability. Perhaps the sand particles had been in some way cemented by added chemicals or microbial life

Finally, will this new way of waste disposal pay an extra dividend in helping to halt the alarming fall of the ground water table in more arid regions?

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Will You Be Next?

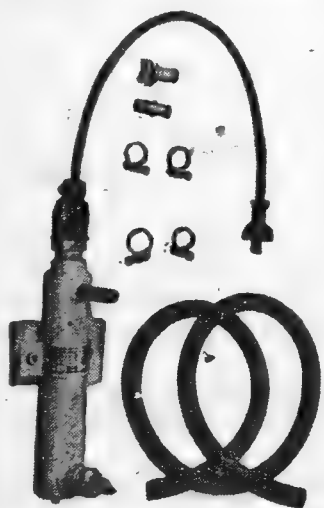
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Progress report on the trash cultivation machinery

A GREAT deal has been written and said concerning the use of tillage machinery in those areas where trash covers are utilized as a means of controlling erosion. A review of the fundamental functions required of tillage tools will aid materially in evaluating their use in present day farming techniques.

Tillage is carried on for several definite reasons: Weed growth must be controlled to prevent moisture loss during the fallow season and to prevent plant competition during the crop season.

The soil must be kept receptive to infiltration and resistant to erosion by maintaining a cloddy, roughened surface throughout the fallow season.

The stubble remaining on the surface after the harvest is completed must be preserved to aid in the prevention of erosion.

The seed bed must be prepared in such a manner as to provide protection from erosion until such time as the new crop has attained sufficient growth to protect the soil.

Blade cultivators provide maximum trash retention, and this anchored trash is the most effective means of preventing soil drifting. The soil surface is generally left in a loose, somewhat cloddy condition but the clods tend to disintegrate with each succeeding operation. For seed bed preparation there are more effective weed-killing implements but when carefully operated the blade cultivator has proved successful, particularly on light and medium soils.

SWEEP type cultivators, spring-tooth cultivators, and high clearance chisel plows are generally useful for secondary tillage. The heavier chisel plows can be used for primary tillage. The soil is generally left in a cloddy, roughened condition. Trash is maintained fairly well on the surface but somewhat more burial occurs than where blade cultivators are used. The high clearance machines operate nicely in light

and medium stubble but will plug where excessive bushy weed growth or heavy trash is encountered.

Disk-type tillage implements are used for both primary and secondary tillage. These machines are useful for seed bed preparation work. High operation speeds or deep tillage with these machines cause excessive burial of the trash and pulverization of the soil. Their use during the fallow season should be confined to one stroke on a medium stubble and never more than two on a heavy stubble if sufficient trash is to be kept on the surface to give protection after the crop has been seeded. Data collected at the Lethbridge Station indicates that one stroke with a one-way disk will bury more trash than three or four strokes with a blade cultivator. Generally the disk-type tool provides excellent weed control.

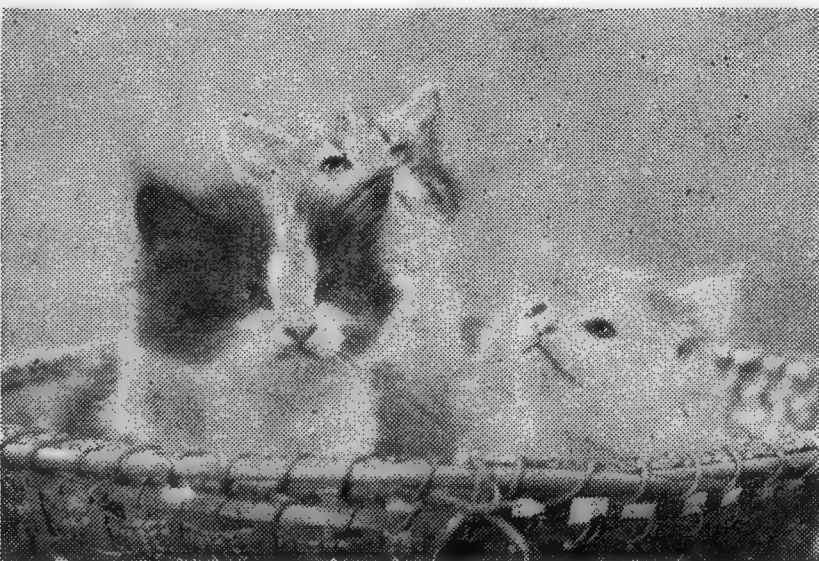
Straw chopping attachments for combines have recently appeared on the market. These tools do not work the soil but their use must be considered in a trash cover program. They should be set to cut the straw in about 12-inch lengths or longer. They are most useful under conditions of very heavy straw growth. They should not be used under light straw conditions as the protective effect of the loose straw is lost and insufficient stubble may be left to provide erosion protection.

No one tillage tool is the answer to all tillage problems, but the intelligent application of the capabilities of the various machines will make most problems more apparent than real.

Old Hands

In Manhattan, Theodore Grant, veteran of some 30 years behind bars, was charged at 91 with petty larceny. In Baton Rouge, La., Theodore Landrum, at 98, was recommended for pardon after serving half of a five-year prison stretch for theft.

Prize Picture



Betty Crook of Brooks, Alta., won \$5 for this picture.

Vacation

In Memphis, a captured stick-up man from Washington State Prison told police he had no intention or reforming: "I started out reading crime stories as a seven-year-old kid... and decided that was what I wanted to do."

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"I Saw . . ."

A partridge from Heaven; a self-starting pony

(The Farm and Ranch pays \$1 for such interesting reports from readers.)

One day this fall, while the men were out threshing, I was sitting sewing. I heard a thud on the roof and a queer squeek. So I went out to see what it was. I saw a huge hawk fly into a nearby tree. Lowering my eyes from the hawk, there, by the step, I saw a partridge. When I went to pick it up, it was warm and freshly killed with its neck and one leg broken. I pulled off the feathers and dressed it, and we had it for supper that night. The children said it was meat from heaven! For some reason or other the hawk had dropped it.

Mrs. Ralph Walker.

Calahoo, Alta.

One evening I was walking to the pasture to get the cattle. To my surprise I saw our horse, Ruby, calmly gathering up the cows and proceed to chase them to the barn. At first I was a little startled, but then I realized the intention of the horse. Though the horse, prior to this, was used for getting the cows, it never had done it of its own accord.

Beverly M. Dyck.

Box 29, Laird, Sask.

I saw our dog, King, one morning chasing around the barn very frightened. He jumped over a half closed door into the barn; jumped out and came running toward me, and back to the cow barn. When I went to investigate I saw our young pig caught by her neck in a tight loop by a cow's rope which was left dangling from the manger. If it hadn't been for our dog the poor pig would have choked to death.

Margaret Standrick.

R.R. No. 1, Sifton, Man.

One morning early in October as I was going to the barn, I heard our dog barking at the edge of the bluff north of the barn. He kept on barking until I went to see what was the matter. He was lying down beside a coyote which was, breathing his last breath. He had apparently fought with the coyote and killed him, but was lying watch until he was sure he was dead.

T. G. Emms.

Box 457, Nipawin, Sask.

On Sunday, November 5th, at 6:30 a.m., I was amazed to see in the west a perfect rainbow. Behind it the sky was the deepest black, and looked like a perfect back drop. We often see perfect rainbows in the summer in the eastern sky, but in all the 25 years I have lived here I have never seen a rainbow in the west, far less such a perfect specimen. It lasted about fif-

teen minutes then gradually disappeared. A short shower of rain then fell, and we had a day of high wind.

Mrs. Philip Buttar.

Rosetown, Sask.

I saw one of our yearling heifers lifting her head out of the manger, held something

wriggling in her mouth, but making no sound. On closer view, I saw it to be a kitten. She held it a moment, as if studying it, then carefully laid it back in the manger unharmed.

Mrs. Charles Abra.

Usherville, Sask.

I saw a robin land on a piece of ice and take an unexpected skid. He liked the game evidently for he took off and deliberately came in again. The robin kept at his game, taking off, coming in and skidding, and taking off again!

Valerie Malek.

Vermilion, Alta.



How I Found Relief For PILES

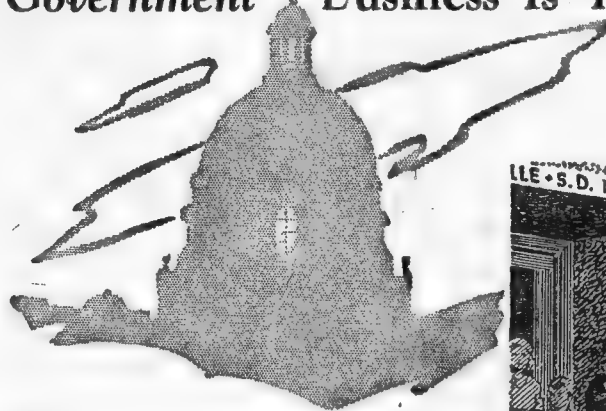
If you are among the thousands of men and women who suffer from Piles, Fistula or other rectal disorders, take the first step toward finding relief from these treacherous conditions. Send for our Free Book which describes symptoms, and the treatment that has proved so successful for so many years. Write McCleary Clinic and Hospital, C176 Elms Blvd., Excelsior Springs, Missouri.

FREE BOOK
GIVES YOU
THE FACTS



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Government Business Is Your Business



Education - The Key To Progress



Your right to know is the door to a better economic, social and cultural life; and education is the key to that door.

It is the function of the Department of Education to keep abreast of modern trends in education, discarding impractical or outdated methods and ideas, in favor of standards and achievements to enable young people to take their place in society, confident in their own abilities and able through training to attain their goal.

Activities of the Department of Education include: development, operation or supervision of:

SCHOOL DIVISIONS: Large school divisions have been organized for efficiency of operation, to provide pupils with better facilities and to promote uniformity of opportunity for all. To each is appointed a superintendent to assist and advise trustees and teachers.

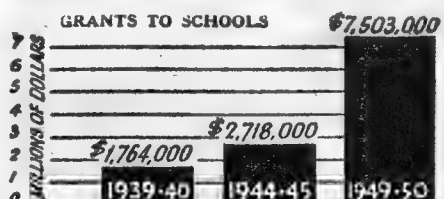
TEACHER TRAINING: Teachers are trained at the University of Alberta. A Board of Teacher Education and Certification advises the University and the Minister. Teacher qualifications have been substantially raised in recent years. To assist school boards in the establishment of a Teacher Retirement Fund substantial contributions are made amounting in 1950-51 to \$550,000.

AUDIO-VISUAL AIDS: This branch of the Department has built up a large library of sound films, silent films, filmstrips and slides available for classroom use, free. These cover a variety of topics in the Alberta School Curriculum. Circulation last school year exceeded 82,000 items, chiefly films.

CORRESPONDENCE SCHOOL BRANCH: This branch takes education to children in remote areas and those physically unable to attend regular schools. It also serves schools without teachers, and adults seeking self-improvement. Courses include full academic subjects, business law, bookkeeping and shorthand.

SPECIAL EDUCATIONAL SERVICES: Deaf and blind children are educated in special schools substantially free of charge. Special classrooms for children with defective vision, impaired hearing and other handicaps are generously supported. The Department also operates the Institute of Technology and Art in Calgary, the Nurses' Aides School, the Health and Recreation Program, and various projects under Canadian Vocational Training.

SCHOOL BOOK BRANCH: During its period of operation this branch has distributed over six million school books, either free or at a minimum cost.



AVERAGE SALARY OF TEACHERS EMPLOYED BY SCHOOL DIVISIONS: 1939-\$812; 1949-\$2127.

COST OF PUBLIC SCHOOL EDUCATION PER CHILD: 1939-\$59; 1949-\$143.



Government of the Province of Alberta DEPARTMENT OF EDUCATION

HONORABLE IVAN CASEY,
Minister

DR. W. H. SWIFT,
Deputy Minister



Take a HOT MUSTARD BATH

Dissolve 2 or 3 tablespoonfuls of mustard in a little cold water and pour it into your hot bath. After the bath... a brisk rub-down... then off to bed for a good night's sleep.



IF YOU MOVE, you'll want to have your favorite farm paper mailed to your new address. Be sure to send change of address promptly to THE FARM AND RANCH.

Farm and Ranch housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

We're going to help you to get your money's worth

FACED with the extravagant claims often made on behalf of various soaps and other household needs, do you often throw up your hands in despair? Have you ever wished that there was some agency that would make tests and tell you whether Vel was honestly better than Dreft?

In the United States both the Consumers' Union and Consumers' Research have for many years made it their business to check everything from soaps to sauces. They have thrived mightily. But there has been no such agency in Canada. At last, however, a start is being made.

In the past year, The Canadian Association of Consumers, in Ottawa, has been working with the National Research Council and other testing laboratories to supply us with basic factual material about the things we buy. It is admittedly

a small beginning. Nevertheless any information is better than no information. So the Farm and Ranch has made arrangements with the Canadian Association of Consumers to supply our readers with information contained in C.A.C. bulletins. Because of the sparsity of material, this must of necessity be an irregular feature of the Farm and Ranch. But it will be one that will pay our readers to watch for. Here are some facts about soap:

Non-rinse soaps

Do the so-called "rinseless" detergents now advertised really do away with the necessity of rinsing clothes?

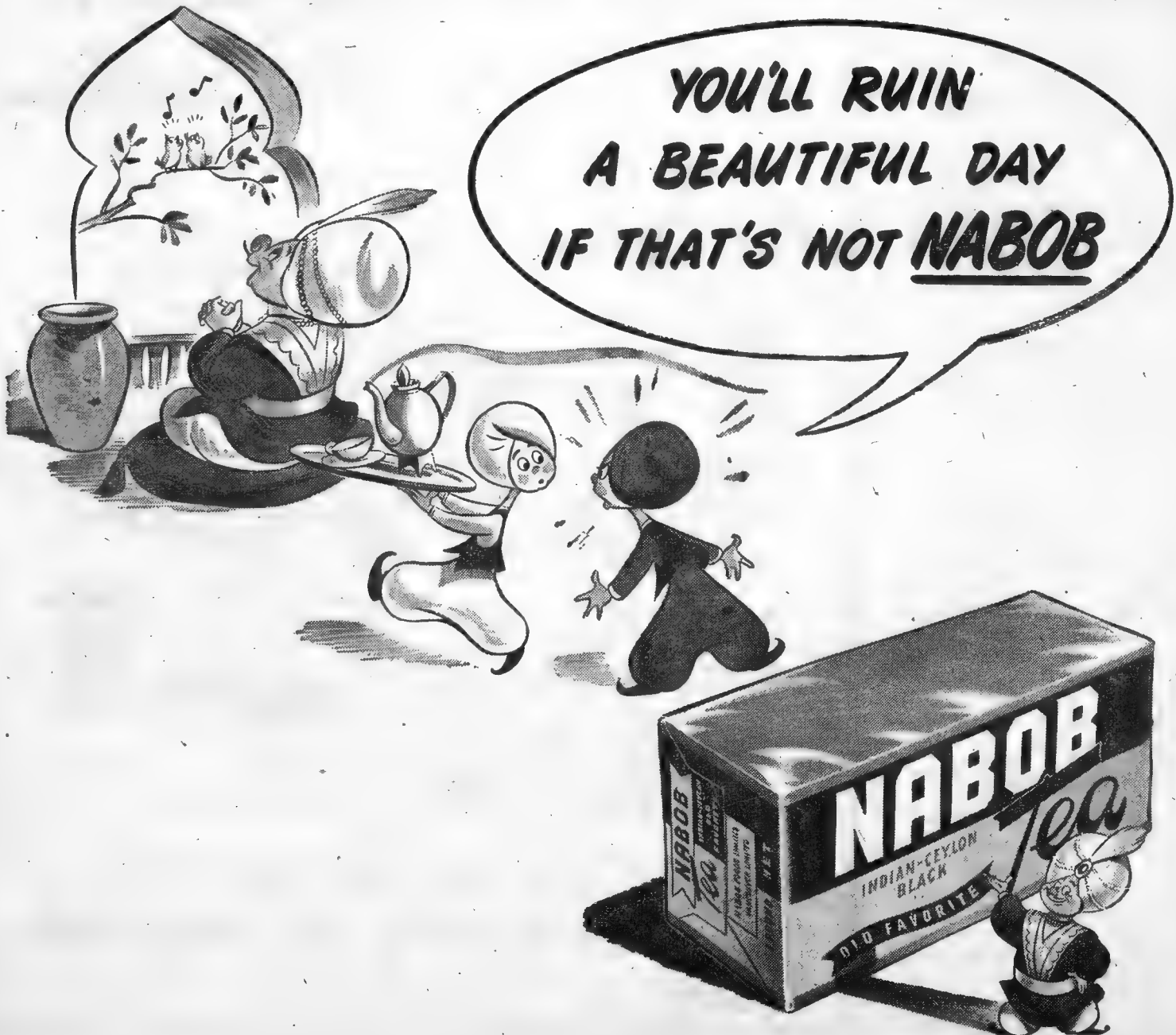
No. The chemical division of the National Research Council tells us that in their opinion "no rinse" advertising with re-

spect to several different detergents now on the Canadian market is basically unsound, not only from the point of view of inadequate soil removal but also from a bacteriological angle, since the rinse waters carry off additional quantities of already loosened soil and reduce the bacteria count by the dilution process. If an article is washed on one of these "no rinse" detergents, and after wringing out, is rinsed in a clean bowl of water, the amount of soil which will be found in the rinse water is a sufficient answer to the question of whether or not rinsing is necessary.

The so-called soapless soaps

BROADLY defined, a detergent is any material which brings about this removal of undesirable substances such as dirt and grease, from a surface. The three successive stages in the process are:

- (1) Wetting of the soiled surface by the detergent solution.
- (2) Breaking up of the layer of soil into small particles, frequently assisted by mechanical



action, (such as scrubbing the surface as in dishwashing, or agitation within the detergent solution, as in laundering).

(3) Suspending the particles of broken-up soil in the detergent solution.

Results of investigation of National Research Council show:

(a) "Soapless Soaps", or synthetic detergents, are more effective when used with hard water than with soft water.

(b) There is a certain wastage with most ordinary soaps—the harder the water the higher the wastage.

(c) Soap "curdling" which occurs when soap is used with hard water is objectionable, be-

cause of its effect on textile fabrics which pick up much of the curd formed and tend to become loaded with an ever-increasing amount of this material. This may effect the serviceability of the fabric by causing its chemical deterioration, or it may impair its proper performance in the use for which it was designed. For example, towels which have become loaded with soap curds through repeated launderings in hard water, lose much of their water absorbency and become quite harsh to the touch.

(d) Where very soft or "softened" water is used, the detergent or cleaning properties are better with ordinary soap

than with the "soapless soaps".

(e) Experience has shown that for the most part, soaps do a better job on cotton and detergents a better job on wool.


The Canadian Association of Consumers is located at 1245 Wellington Street, Ottawa. Memberships, through which its work is financed, are 50 cents a year.

FOR *better* BREAD & BUNS
EVERY TIME

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Best Yeast

YOUR BAKEDAY FRIEND

Full of Goodness!
NOW VITAMIN "D" INCREASED!



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Evaporated
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PRODUCT OF
ALPHA MILK COMPANY

RAISE TURKEYS THE NEW WAY!
Write for free information explaining how to make up to \$3000 in your own back yard. Address: **NATIONAL TURKEY INSTITUTE**, Dept. 182, Columbus, Kansas

AUNT SAL SUGGESTS--

*In the brand new year before us,
We'll all find work to do;
So here are hints we truly hope,
Will be of help to you.*

WE homemakers think of ourselves as "Jills of many trades" . . . and rightly so, yet looking back over the letters from you readers during the past year I can see that the bulk of them dealt with that one big job . . . cooking! Just listen in on several women's conversation for a time and chances are you'll hear talk of food . . . how to prepare it . . . how to vary the meals to make them tasty and within the budget . . . (if you have such an animal round the house. Or has he, like mine, slipped his moorings). On reading over the recipes in a cook book, don't you often say to yourself, "That sounds crazy. I certainly won't waste good food trying that one." Well here is a recipe I ran across recently that made no bones about being sensible for it frankly called itself:

CRAZY CHOCOLATE CAKE

Place in a large mixing bowl in this order these ingredients: 1 cup sugar (I used brown), 1 egg (unbeaten), ½ cup milk (sweet or sour (I chose sweet), ½ cup shortening, ½ tsp. salt, 1 tsp. soda, 1 tsp. vanilla, 1½ cups sifted flour, ½ cup cocoa, ½ cup boiling water. After adding the water then beat like crazy until the batter is smooth and free from lumps. Bake in greased bake tin in medium hot oven about 35 minutes.

The day I tried this cake I was in a hurry to serve it for dessert so just chipped up two milk chocolate bars (I borrowed them from my granddaughter) and spread them on while cake was still hot. When you try out this recipe I'll bet you'll agree with me there is nothing crazy about this cake.

I was asked for a recipe for potato dumplings not long ago. Here is one I've just got around to trying.

POTATO DUMPLINGS

1 cup cold mashed potatoes, 1 egg, 1 tsp. baking powder, ½ tsp. salt, 1 cup flour. Make them

into biscuits or add a little milk and form into drop biscuits. Steam over hot stew for 15 minutes and for pity's sakes sakes keep them covered. Surely you've found out by now that is the secret of dumplings . . . they are shy creatures and can't bear to be watched. (Omit the potatoes in this stew when making this type of dumplings.)

OUR READERS TELL US:

Mrs. E. C. of Manitoba, writes me that all of her neighbors can a lot of beans and they don't hold with the idea of using a proper recipe, especially when it comes to seasoning . . . they favor the try-and-taste method. Salt, pepper and sugar they think is enough instead of the molasses, etc., that is usually called for.

Two readers (Mrs. C. from Therien, Alta., and Miss C. B. from Vilna, Alta.) wrote me such helpful letters telling of their experience in canning cauliflower. Remember the question as to why this vegetable turns pink after canning was raised in this column last fall. Well, it isn't a seasonal question just now, but I'm filing these letters carefully and shall certainly quote them come next summer.

Mrs. A. G. of Evansburgh, admits she is an old hand at making soap and assures us that the best way to make good home-made soap is to follow the directions on the can of lye. And don't experiment with more than one can at once. (I think most of us have found this is good advice to follow when trying any recipe . . . better to make two single lots than to double the recipe.)

Mrs. E. M. of New Scripto, Alta., wonders if any of you have tried this hint: "When the knobs come off any of my saucepan lids I replace them by plastic bottle screw tops, a small-sized drill and a small stove bolt keeps them firmly in place."

Now for a few quickies that should be brought into the fold. To clean suede shoes and bags, etc., warm fine oatmeal and rub on the suede. Use a soft flannel



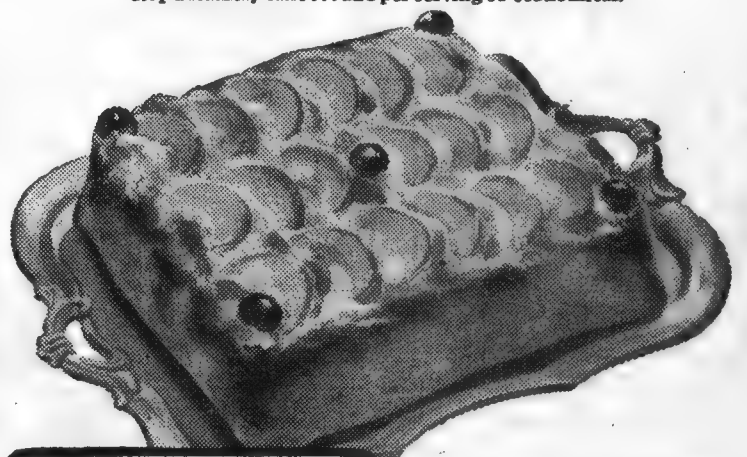
PURITY FLOUR

Hear them Cheer!
Watch it Go!

New PURITY "Apple Queen"

... is a wonderful dessert

You'll make it again and again and, of course with Purity Flour. So scrumptious, such a tangy sweetness atop a feathery cake . . . and per serving so economical.



PURITY "Apple Queen" CAKE

3 tablespoons butter
¾ cup brown sugar
3 or 4 medium sized apples
5 red or green cherries
¼ cup shortening
¼ teaspoon vanilla extract
¾ cup granulated sugar
1 egg
½ teaspoon salt
4 teaspoons baking powder
2 cups sifted Purity Flour
1 cup milk

First—Melt butter in 7 or 8 inch square baking dish, add brown sugar and spread the mixture evenly over the bottom of the dish. Pare and core apples and cut each one in sections lengthwise. Set in rows in the butter-sugar mixture. Place a cherry in each corner and one in the middle.

Now—Cream shortening, add vanilla. Gradually add sugar and blend well together. Add well-beaten egg. Mix Purity Flour, baking powder and salt and sift together 3 or 4 times, then add alternately with the milk. Pour this batter over the apples in baking dish and bake in a moderate oven (350°F.) for 40-45 minutes. Invert to serve. Remove from the dish as soon as baked. Serve hot as is or with a sweet sauce, or serve cold with whipped cream.

Best for all your baking . . . that's Purity Flour. Women who bake and bake depend on Purity for uniform results. It's the flour that's milled from Canada's fine hard wheat and sold everywhere.

55-F-50

YOU NEED ONLY ONE FLOUR

PURITY FLOUR

Purity
Oats—
Grand for
Breakfast

FOR ONE RESULT—PERFECTION

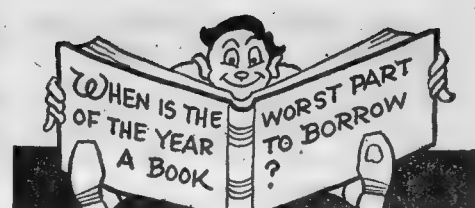
Smart, different ideas for meals are yours in Purity's colorful new FREE recipe booklet "Home Baked Treats". Send for your FREE copy today to Purity Flour Mills Limited, Toronto, Ontario.

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FUNLAND

THE FAMILY ENTERTAINER

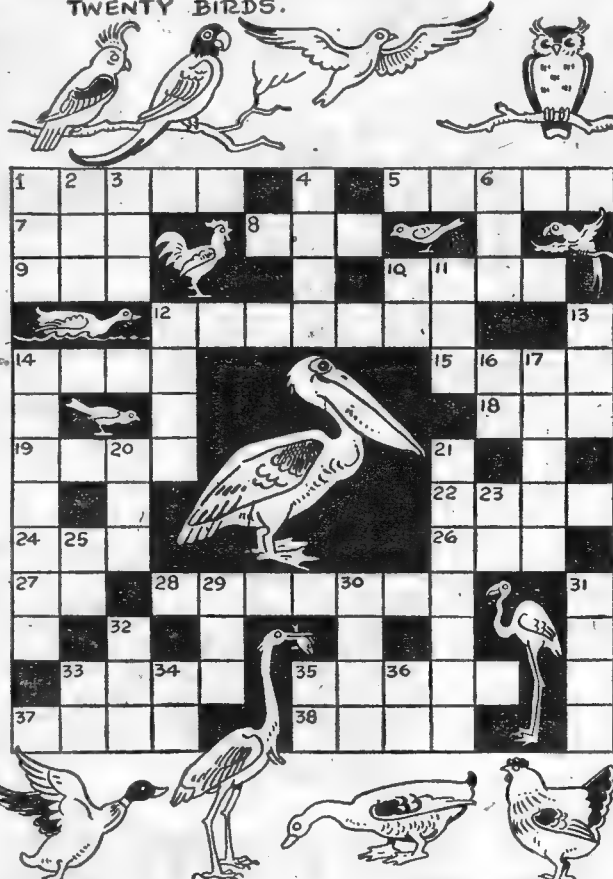
BY
A.W. NUGENT
THE WORLD'S
LEADING
PUZZLEMAKER



HORIZONTAL

- 1 A WEB-FOOTED BIRD, LARGER THAN A DUCK.
- 5 BIRD ON AMERICAN COINS.
- 7 A VASE HAVING A FOOT.
- 8 ANY FEMALE BIRD.
- 9 BORN: NOTING THE MAIDEN NAME OF A MARRIED WOMAN.
- 10 A PIGEON
- 12 A SMALL, FORKED-TAIL, SWIFT, FLYING BIRD.
- 14 A LARGE BLACK BIRD.
- 15 SMALL SINGING BIRD.
- 18 AN ARTICLE CONSTRUCTED FOR THE AMUSEMENT OF CHILDREN.
- 19 A VERY SMALL BIRD WITH A SHORT TAIL.
- 22 HURT
- 24 I OWE YOU (ABBR.)
- 26 A GIRL'S FIRST NAME
- 27 RAILROAD (ABBR.)
- 28 A FINCH-LIKE NORTH AMERICAN BIRD, USUALLY SCARLET.
- 33 ANY FALCONOID BIRD EXCEPT A VULTURE.
- 35 PERMIT
- 37 TO OPEN THE MOUTH, AS IN YAWNING.
- 38 TO BREAK UP OR TURN UP THE SOIL.

WHEN THIS CROSS-WORD PUZZLE IS COMPLETED, YOU WILL HAVE SPELLED THE NAMES OF TWENTY BIRDS.



VERTICAL

- 1 TO SHOOT WITH
- 2 A NATURAL SUBSTANCE, SOMETIMES FORMING PART OF A ROCK, CONTAINING METAL
- 3 A SINGLE THING OR PERSON.
- 4 A SMALL RIVER DUCK.
- 6 GOVERNOR (ABBR.)
- 10 TO COMPLETE; TO FINISH.
- 11 A NOCTURNAL BIRD HAVING LARGE EYES.
- 12 A LARGE, WEB-FOOTED, VERY LONG-NECKED BIRD.
- 13 THE REGION OF THE CLOUDS.
- 14 AN AMERICAN BLACK-BIRD, OFTEN FOUND WITH CATTLE.
- 16 CLOSE TO; BY; NEAR.
- 17 A BIRD FOND OF WORMS.
- 20 A LARGE, OSTRICH-LIKE AUSTRALIAN BIRD.
- 21 A VERY COMMON BIRD.
- 23 USED BEFORE WORDS BEGINNING WITH A VOWEL SOUND.
- 25 EITHER; ELSE.
- 29 A SHORT-WINGED, WEB-FOOTED DIVING BIRD.
- 30 WEB-FOOTED SEA-BIRD.
- 31 WEB-FOOTED WATER FOWL.
- 32 A SHORT SLEEP.
- 33 LAUGHTER
- 34 PLURAL OF I.
- 35 ABBR. OF APRIL.
- 36 BEHOLD! OBSERVE!

3 Soups

AAEI
MOOOO
NNPTT

USE UP ALL THE ABOVE ALPHABETIC NOODLES TO SPELL THE NAMES OF THREE SOUPS.



Missing Signs

7 ? 6 ? 5 ? 4 ? 3 = 6
6 ? 3 ? 4 ? 9 ? 5 = 8
9 ? 2 ? 7 ? 3 ? 3 = 9

WRITE THE PLUS, MINUS AND MULTIPLICATION

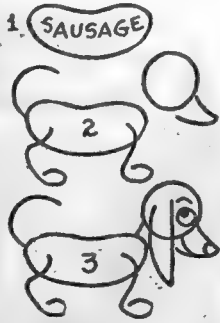
SIGNS IN THE CORRECT POSITIONS, UNDER THE QUESTION MARKS, TO ARRIVE AT THE GIVEN ANSWER.



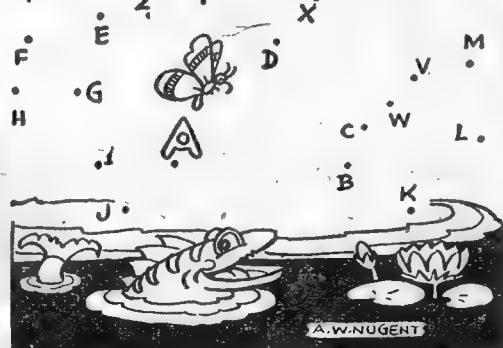
FIND THE RIGHT LETTER AND MOVE TO THE NEXT LETTER, IN ANY DIRECTION, TILL YOU HAVE SPELLED OUT A WELL-KNOWN PROVERB. USE EACH LETTER JUST ONCE.

ETSA
MHAWT
AKESE

HI! KIDS! START WITH A SAUSAGE AND DRAW ME STEP BY STEP.



DRAWING FUN. CONNECT THE DOTS IN ALPHABETICAL ORDER.

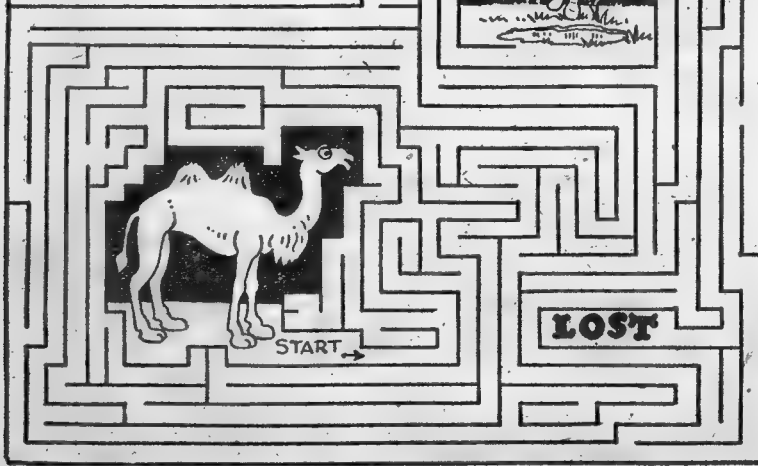


ALPHABET RIDDLES

1. WHAT LETTER IS A BIRD?
2. WHAT TWO LETTERS NAME A VINE?
3. WHAT TWO LETTERS NAME A WRITTEN EXERCISE?
4. WHAT FOUR LETTERS NAME THE TITLE OF A RULER?

A.W. NUGENT

SEE IF YOU CAN WIN THIS MAZE GAME BY LEADING THE CAMEL TO THE OASIS. OF COURSE, IF YOU GET LOST IN THE DESERT YOU WILL LOSE... TRACE BETWEEN THE LINES



DON'T YOU DARE TURN US UPSIDE DOWN TO SEE HOW WE USED TO LOOK! STOP IT!



BIRD CROSS-WORD PUZZLE: ACROSS— 1, GOOSE; 5, EAGLE; 7, URN; 8, HEN; 9, NEE; 10, DOVE; 12, SWALLOW; 14, CROW; 15, LARK; 18, TOY; 19, WREN; 22, PAIN; 24, IOU; 26, ANN; 27, R.R.; 28, TANAGER; 33, HAWK; 35, ALLOW; 37, GAPE; 38, PLOW.
DOWN— 1, GUN; 2, ORE; 3, ONE; 4, TEAL; 6, GOV.; 10, DO; 11, OWL; 12, SWAN; 13, SKY; 14, COWBIRD; 16, AT; 17, ROBIN; 20, EMU; 21, SPARROW; 23, AN; 25, OR; 29, AUK; 30, GULL; 31, DUCK; 32, NAP; 33, HA; 34, WE; 35, AP; 36, LO.

BOOK RIDDLE: WHEN IT IS LENT.

THREE SOUPS: THE FOURTEEN GIVEN LETTERS WILL SPELL PEA, ONION AND TOMATO.

MISSING SIGNS: 7-6x5+4-3=6; 6x3+4-9-5=8; 9+2-7x3-3=9.

PROVERB: HASTE MAKES WASTE.

ALPHABET RIDDLES: 1, J (JAY); 2, IV (IVY); 3, SA (ESSAY); 4, XLNC (EXCELLENCY).

TODAY'S PUZZLE SOLUTIONS

Hearts and Flowers spell romance on St. Valentine's Day

By ANN BARRETT

ST. Valentine's Day is a Festive Celebration which never seems to last long enough for those who are romantically inclined, and we look forward to this 14th day of February with pleasure when Cupid's gay symbols of hearts, flowers, arrows and darts lift us joyously out of the winter's doldrums and launch us on to the forthcoming season of Spring.

We are really all sentimentalists at heart, for don't we all feel fortunate when we receive a Valentine gift or card and a message of love tucked inside, so mysteriously? Then there is the fun and interest for those people who like to make their own Valentines and home decorations, as well as the refreshments, if they are having a party. It is so easy to conjure delicious sweets in the many shapes and colored symbols.

Any-Age Parties

It does not matter what kind of a party you are planning, whether it be a Young-at-Heart Supper-Party or a Teen-Age Tea-Party, all ages will no doubt be arranging a Red-Heart centrepiece garlanded with lacy-edged paper doilies and lacy-rosettes. Three candles would be a charming addition in the heart's centre, and Mother's hand-crocheted doilies would show up well among arrows, darts amidst plates of dainty homemade refreshments.

To the homemaker who is planning a Valentine party this season, there are many ideas to surprise the family and friends, such as heart-shaped sandwiches and cookies, heart-shaped

ice-cream moulds, cupid cakes and candy hearts; and for an attractive fruit salad, there is the heart-shaped pear garnished with chopped nuts on crispy lettuce leaf with Maraschino cherries and Mayonnaise sauce.

Magic Cherry Frosting

If you are on the lookout to win plaudits from the entire family, make a Magic Maraschino Cherry Frosting on the Valentine cake to be served with the ice-cream. It only takes one-half cup of sweetened condensed milk, one-quarter cup drained Maraschino cherries (finely chopped) and two cups of sifted Confectioner's sugar. Mix the milk and cherries, add confectioner's sugar gradually, beating until smooth and creamy. Spread over the cold cake. This frosting will cover the tops of two (9-inch) layers of cake.

Hidden-Hearts

If you are planning games for the party, the game of Hunt-For-Hidden-Hearts is great fun. Your guests will start hunting for these hearts hidden in various parts of the house. There are red hearts, white and black ones. To the one who finds the most red hearts, he or she will get first prize; second prize goes to the winner of the most white hearts, but to the one who gathers the most black hearts, he or she is pronounced the "Martyr" and has to comply in some funny hoax. Of course, when they start off on the hunt, no information is given out until after the hunt is over regarding the status of the different colored hearts.

Valentine Post-Office

In the game of St. Valentine's Post-Office, a Valentine is prepared and labelled for each guest, just a small favor with some good advice to go along with it. If the advice can be worded in rhyme so much the better. Each guest is called up to the Post Office in turn and must open their package and read out aloud the advice. One young man for instance, could be presented with a hard boiled egg and advised to "beat it."

Finding Partners

A popular idea to arrange for partners at a party for any game or contest, is to cut out small hearts from red cardboard, then cut each heart in half. One half of each heart will be put into a gaily decorated basket for the girls and the other half for the boys. When each guest has taken a half-heart from the basket they will go around matching the broken fragments to choose their partner.

Heart-Shaped Accessories

As we mentioned before, it is lots of fun making your own

favours and decorations, but if you haven't the time, the shops have on display the latest in Valentine accessories to help you dress up your table appropriately for the occasion. And to come back to the subject of making dainty refreshments, remember that color plays an important part. Red is the favorite color and you can buy small red heart shaped candies or candied cherries to use as high-lights on white frostings for cakes. In the shops too, you will find all sorts of cooky cutters and cake and jelly moulds



Now Happy! After trying many things, I developed a simple, inexpensive method to remove unsightly hair. Its regular use helps thousands retain admiration, love, happiness. My FREE book explains wonderful method, proves actual success. Mailed in plain envelope. Also TRIAL OFFER. Write ANNETTE LANETTE, P.O. Box 600, Dept. C 450, Toronto, Ontario.

FOOD COMES FIRST



LIVESTOCK converts and condenses grains and grass into food for hungry humanity and provides many essential commercial products that we can get from no other source.

If we are to survive the perils which appear imminent in the world today an expanded animal agriculture is imperative.

Record food production and consumption have been made possible largely by a finely balanced co-operation between producer and processor. This beneficial association must continue to strengthen and develop

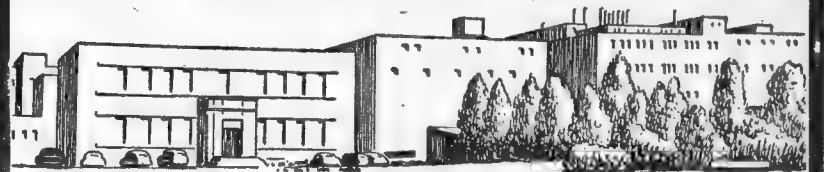


if the nation's meat-team is to support the increasing load that will be inevitably placed on it.

Producing and processing food is paramount while our present plight prevails.



BURNS & CO. LIMITED



Processors of the Products of the Farm for Over 60 Years.

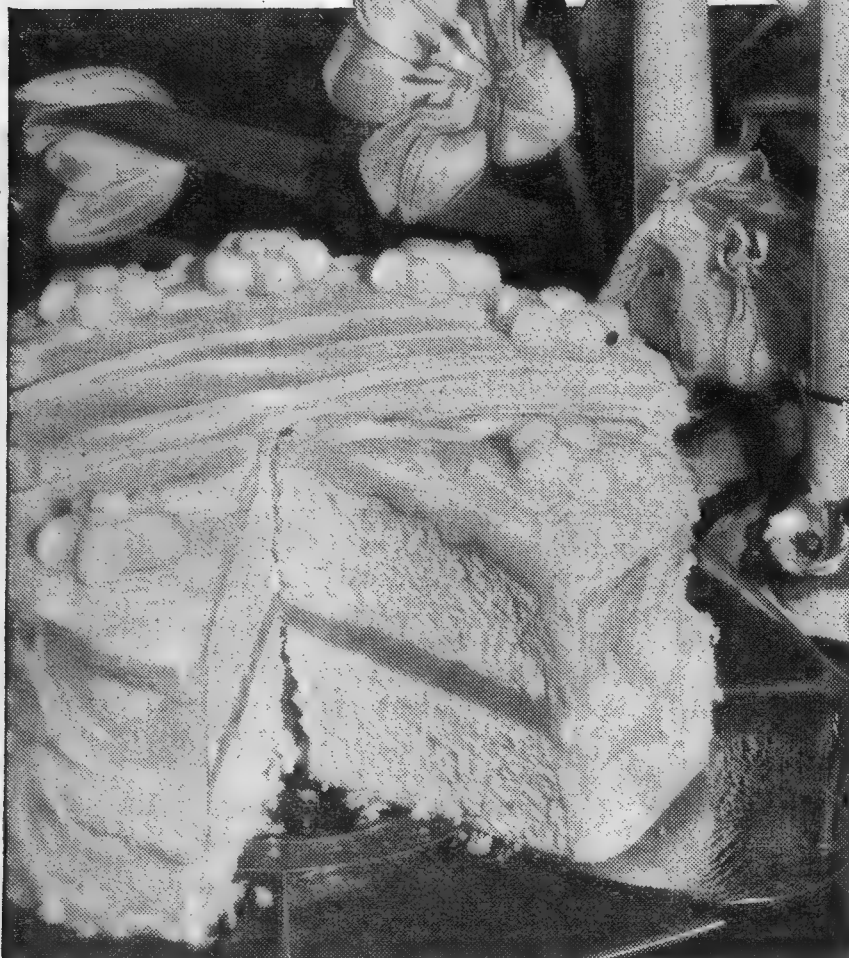
The Dishpan Philosopher

I LIKE to try when New Year comes to gather up the Old Year's crumbs of hope and comfort lest they're lost when old accounts aside are tossed. Though 1950 didn't give an awful lot to help hope live, at least it showed that friend and foe could get together and go slow, with all reluctant to begin an all-out war that none could win. We know there is no magic spell that we may call on to foretell what lies ahead now for mankind — continued fear or peace of mind? But while the council-table stands we're far from throwing up our hands.

Well all that you and I can do is take what comes and see it through, while hoping 1951 — the year so dolefully begun! — will, with the passing months, prepare a peace which all the world can share.



Serve this Sunny Blossom Cake!



So easy to make with MAGIC!

Bright as a buttercup, light as a breeze, your Magic Blossom Cake spreads sunshine 'round the table. Of course, it's delicious . . . of course, it's fluffy, tender and snowy-white . . . that's the way Magic makes it!

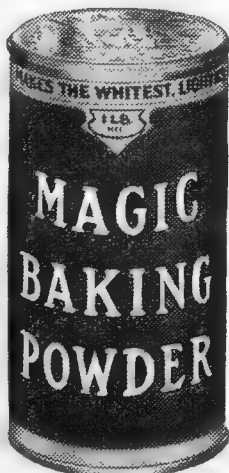
Put your trust in pure, wholesome Magic Baking Powder for cake successes

every time. It's the *no-risk* way of getting the best from fine ingredients—perfect, even texture, and delectable flavor, everything just as you hoped. And Magic costs less than 1¢ per average baking, yet protects other costly ingredients. So, to keep your baking at its best—use Magic Baking Powder.

MAGIC BLOSSOM CAKE

2½ cups sifted cake flour	¾ tsp. salt	¾ cup milk
4 tps. Magic Baking Powder	12 tbsps. shortening	1½ tps. vanilla
	1½ cups fine granulated sugar	4 egg whites

Sift flour, Magic Baking Powder and salt together 3 times. Cream shortening (or mixture of butter and shortening); gradually blend in 1 cup of the sugar and cream well. Measure milk and add vanilla. Very gradually blend about a third of the flavored milk into creamed mixture. Beat egg whites until stiff but not dry; gradually beat in remaining ¾ cup sugar, beating after each addition until mixture will stand in peaks. Add flour mixture to creamed mixture about a quarter at a time, alternating with three additions of the remaining milk and combining lightly after each addition. Add meringue and fold gently until combined. Turn into two 8" round cake pans which have been greased and lined on the bottom with greased paper. Bake in moderate oven, 350°, 30 to 35 minutes. Put cold cakes together with lemon filling; when set, frost all over with yellow-tinted vanilla butter icing and decorate with candy "blossoms".



Country Diary

DURING the past month expectation reached its peak in Christmas joy, which lasted till the day of dismantling the greenery and glitter early in the New Year — Twelfth Night to be definite. Now a kind of reaction has set in for January is generally acknowledged to be a pretty flat and uninteresting month with the added reputation of severe cold and blizzards. Not a favorite month by any means.

But even those who fret at prairie winter's tedium and severity are secretly a little disappointed if there is not plenty of snow. Even they, if young and strong, must be invigorated and exhilarated by a snow-storm. There is a fascination, especially if sheltered by storm windows, in the fury of the wind, driving the whirling snowflakes before it. The artistic among us are moved by the beauty of pure, white, crystalline fallen snow, the wondrous perfection of line and curve drawn in the drifts by that sweeping wind. Many a country housewife too, has reason to bless the snow. It means soft water, cleaner and softer even than the rain in the barrel that poured off the roof, to ease the labour of wash-day.

The indescribable fragrance of clean snow holds a special appeal for the country dweller, no matter how he regards the storm. I cannot describe the nature of it. You can notice it in the evening air just before a snow-fall — the oldtimers will say, "Snow in the air tonight." Of all its qualities it seems to possess the essence of "clean-ness" more than any other smell in Nature, even more so

than the newly-washed smell of the air after a summer storm. I have heard it likened to the smell of pure oxygen or ozone, and perhaps it is that which induces the feeling of exhilaration.

We are by now accustomed to the apparently bare and lifeless scene, but as a matter of fact it is not so. There are few places on the face of the earth where we can gaze upon an actually lifeless scene. Every crevice of bark on trunk, branch and twig of the skeleton trees is a storage for the eggs of many kinds of insects even in our northern climate. Cocoons and larvae are blended into the so-called lifeless winter scene, in a state of refrigeration. Some adult butterflies may have chosen to spend winter in a coma, sheltered, until the warming spring sun calls them out to get a notice in the local newspaper: "Mrs. Willis reports seeing a light blue butterfly in her front yard. Can spring be far behind —" etc., etc.

And after all, winter is just a wall, a division between the ripe beauty of autumn and the tender budding of spring. Human beings, too, are happily such resilient, hopeful creatures that they soon forget last winter's devastating storms and icy temperatures when they awaken to early mornings filled with exquisite bird-song. Dove-tailed to the most infinitesimal invisible hair the world of Nature will go on in spite of all man may do—deeds of violence and scientific research. Night will follow day and night and day again, while planets spin about their suns in unseen regularity.

LET'S ASK AUNT SAL

*I hope this year allots to you
Much joy and all the rest;
But should perplexing problems
come . . .*

Aunt Sal will do her best.

FOR almost two years now we have given you the chance to bring your various home-making problems to this page . . . for solving or discussion. The steady increase of mail makes us think that you appreciate this opportunity to bring your queries out in the open and discover what other rural homemakers think about them.

Q.:—How can one remove the writing and paint from grease pails? We have oodles of them around the yard and could use them for water pails if we knew of a way to remove lettering and paint.—(Mrs. J. G. Hualien, Alta.)

A.:—Make up some strong caustic soda in boiling water and apply with a stiff scrubbing brush. In a short time the paint will work loose and come

off easily. This is hard on hands so take care to wear gloves and anoint the hands with vaseline before tackling the job.

Q.:—How can one remove white marks on wood caused by spilt liquids?—(Mrs. T. C., Bow Island, Alta.)

A.:—This is the cue for the entrance of cigar ashes. Apply them with a piece of chamois and rub in gently. Most stains of this nature vanish like magic. Here are other agents that are recommended: ammonia; pumice moistened with sweet oil; weak spirits of nitre solution; spirits of camphor; essence of peppermint or cedar oil. (Note: Don't mix these treatments. When you start on one give it repeated trials before abandoning it for another . . . especially if the stain is an old one.)

□ □ □

Turn off the electric appliance before pulling the plug, to prevent damage to cord and wall outlet.



Selected RECIPES

5 cups water

Ice cubes or ice

Pour sugar into clean glass gallon jar. Add fruit juices and shake jar until sugar dissolves. Add water, cover tightly, and keep cold until ready to serve over ice cubes. Fix orange slices with tiny candles to decorate. Serves 8.

Orange Pumpkin Pie DeLuxe

Beat 3 eggs in a large bowl and blend in mixture of $\frac{1}{2}$ cup each, white and brown sugar, $\frac{1}{2}$ teaspoon each of salt, nutmeg, allspice, and 1 teaspoon cinnamon. Add $1\frac{1}{2}$ cups cooked pumpkin, 1 tablespoon grated orange peel and $\frac{1}{2}$ cup orange juice. Now stir in 1 cup evaporated milk, and turn mixture into an unbaked 9-inch pie shell with an inch-high fluted edge. Bake in a hot oven, 450° F. for 10 minutes, then in 350° F. for 35 - 40 minutes or until silver knife comes out clean when inserted into filling.

Serve pie pieces warm, with wedges of good tangy cheese on top. Give distinction to the plate by placing a nice slice or two of orange beside the pie, along with a chilled small cluster of cleaned white, or green grapes. Have candlelight at your table and serve pie along with piping hot coffee.

□ □ □

Children's diets should contain at least one pint of milk every day — one and a half pints for teen-agers — a satisfactory source of vitamin C and a dependable source of Vitamin D.

Hot Fruit Punch

- 1 cup boiling water
- 2 teaspoons black tea
- 1 cup sugar
- 1 cup orange juice
- $\frac{1}{2}$ cup lemon juice
- $\frac{1}{2}$ cup grape juice
- $1\frac{1}{4}$ quarts boiling water

Orange and lemon slices

Steep tea in boiling water for 5 minutes. Strain. Add sugar to hot tea and let cool. Prepare fruit juices and keep in glass quart jar covered tightly, until ready to use. Then add boiling water, mix all in punch bowl and garnish with Citrus slices. Serve while hot. Makes 8 large, 6 small glasses.

Golden Punch

- 1 cup sugar
- 1 cup lemon juice
- 1 cup orange juice
- 1 cup grape juice

Deliciously different!



And Apple Cake is fun to make with amazing new fast DRY yeast!

You never need worry again about quick-spoiling cakes of perishable yeast! For the wonderful new Fleischmann's Royal Fast Rising Dry Yeast stays fresh and full-strength for weeks without refrigeration, right in your pantry!

If you bake at home, you'll be thrilled with the results of this new fast DRY yeast! Make delicious rolls, buns, fruit rings, dessert breads and the scrumptious Apple Cake that's featured below. (No new recipes needed. One envelope of dry yeast in any recipe.)

Keep on hand a month's supply of Fleischmann's Royal Fast Rising Dry Yeast.

Appetizing APPLE CAKE

NEW TIME-SAVING RECIPE—MAKES 2 CAKES

Measure into bowl $\frac{1}{2}$ cup lukewarm water,
1 teaspoon granulated sugar
and stir until sugar is dissolved.

Sprinkle with contents of 1 envelope Fleischmann's Royal Fast Rising Dry Yeast. Let stand 10 minutes. THEN stir well.

In the meantime, scald $\frac{1}{2}$ cup milk. Remove from heat and stir in

$\frac{1}{4}$ cup granulated sugar,
 $\frac{1}{2}$ teaspoon salt,
3 tablespoons shortening

Cool to lukewarm. Stir in 1 cup once-sifted bread flour and beat until smooth. Add yeast mixture and 1 egg, well beaten.

Beat well, then work in $2\frac{1}{2}$ cups once-sifted bread flour.

Turn out on lightly-floured board and knead dough lightly until smooth and elastic. Place in greased bowl, brush top with melted butter or shortening.

Cover and set dough in warm place, free from draught.

Let rise until doubled in bulk.

Punch down dough and divide into 2 equal portions; form into smooth balls. Roll each piece into an oblong and fit into greased

pans about 7" x 11".

Grease tops, cover and let rise until doubled in bulk.

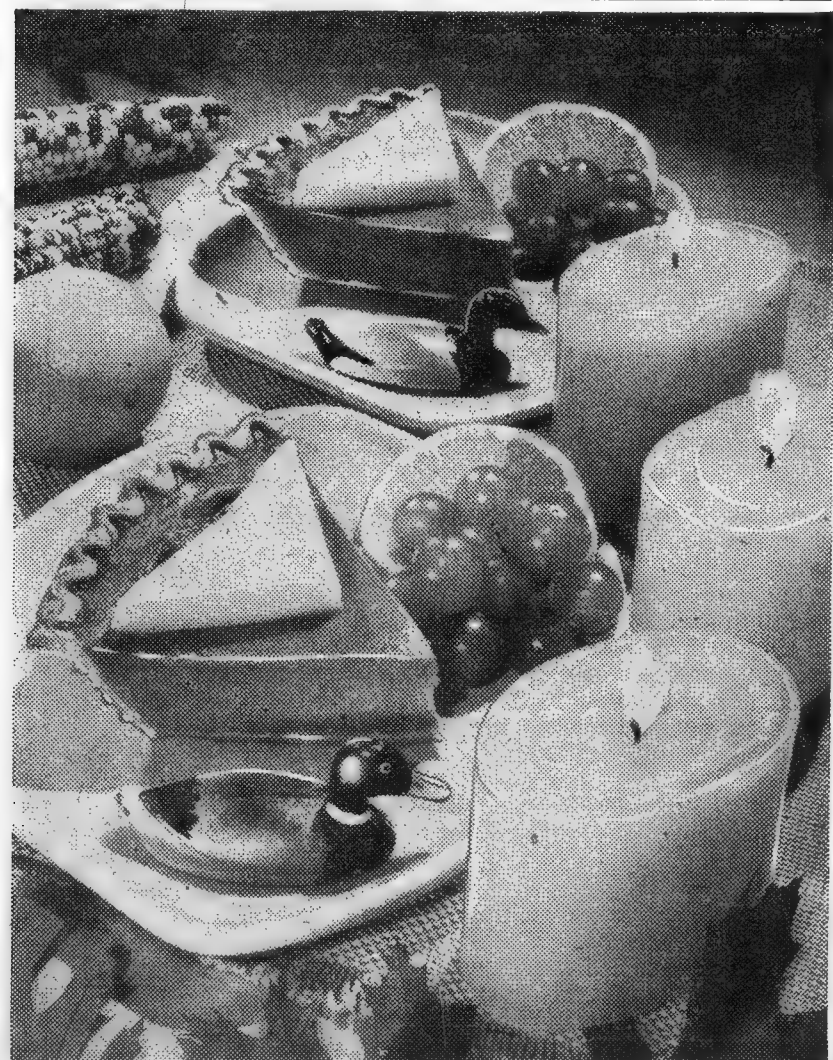
Peel, core and cut into thin wedges 8 apples.

Sprinkle risen dough with $\frac{1}{4}$ cup granulated sugar and lightly press apple wedges into cake tops, sharp edges down and close together.

Mix 1 cup granulated sugar,
 $1\frac{1}{2}$ teaspoons ground cinnamon,
and sprinkle over apples.

Cover and let rise about $\frac{1}{2}$ hour.

Bake in moderate oven, 350° , about 1 hour. Serve hot, with butter.



Warm pumpkin pie, with wedges of tangy cheese need only coffee to make the men howl with joy. A few grapes, on fruit slices add to appearance of this popular dessert.

Wins New Car!



James Pollock whose entry won him a brand new Chevrolet Sedan.

First of the three new Chevrolet Sedans to be awarded by The Ogilvie Flour Mills Company Limited was won by Mr. James Pollock, 425 Trans-Canada Highway East, Chilliwack, British Columbia.

Will you be next?

ENTER THE - -

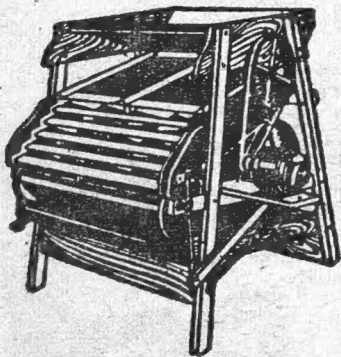
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& SUPPLY CO.**

507 - 2nd St. E., Calgary, Alberta



(The Farm and Ranch pays \$1 for such interesting reports from readers.)

One day last summer I was going to our neighbors on my bike. There were some strawberries on the side of the road so I stopped. Then I saw something black in the distance moving towards the road. Thinking it was my dog, I whistled to him to come. Time passed, but Laddie did not come. Wondering what was keeping him, I stood up to call him again. Turning around I saw a bear just about 24 feet away from me. The bear stood up looking at me. I ran and jumped on my bike and started for home. When I came to our gate, I jumped off my bike and ran for home through a field. I turned around to see where the bear was. He was standing by the bike. He was not interested in me at all. He was just standing there looking at and smelling my bike.

Florence Somerset.
Woodridge, Man.

After the first snow our little calf, five months old, couldn't make out what it was. There was a small drift in front of the barn door and when she started out to get a drink, I saw her put one foot in the snow and then shake it. She did this three or four times and decided it was too cold to go out.

Allen Kerns.
Wimborne, Alta.

One day after washing dishes, it was time to feed the pigs, so I poured this water into the pail and mixed some chop with it. I poured this mixture into the trough and the pigs sure helped themselves to it. But one of them just put its mouth into the trough and pulled it out, and continued doing so for some time. It seemed hungry all right, but just couldn't eat for some reason. After investigating, I saw it had a rubber jar ring around its mouth and that was the reason why it couldn't eat. I guess, in washing dishes, I forgot to wash it, and left it in the water which I fed to the pigs.

Mary Steblyk.
Morecambe, Alta.

Watching the grain come out of the combine, and what do you suppose came out, a little field mouse who had been picked up with the wheat.

Lorne E. Holberg.
Box 125, Elfros, Sask.

One evening, when I went out to the henhouse to gather the eggs, I saw a hen drinking water. I noticed water pouring

out of its neck as it was drinking. I examined its neck and found a hole torn through its neck. We knew it was a coyote's work because we saw him sneaking off and he had killed a hen at the henhouse the day before.

Billy Farr.
Craven, Sask.

We just had finished separating and had fed the cats. As usual the cats left some milk. We were in the house about 10 minutes when the dog started barking. We looked outside with the flashlight. We saw a skunk finishing the cat's milk.

Marlene Beazer.
Box 204, Hardisty, Alta.

Last year my Bantam hen made a nest out in the pig-house and layed some eggs. I made a nest in the house and brought her in, but she had layed an egg that day. The next day she came and wanted to get in. I let her in, and she went and layed an egg on the nest, and every day after that she came in to lay her egg.

Ruth Peterson.
Iron River, Alberta.

The other day when I was at my Aunt's place I noticed the turkey gobbler walking back and forth along the side of the car. The gobbler would stop walking, facing the car, stand there twisting his head from side to side. The car, being new, was shiny and he could see his reflection on the car, and he stopped every step or two to admire himself. He kept this up most of the afternoon.

Margaret Bradshaw.
R.R. 3, Vermilion, Alberta.

One day I heard a funny noise in our house, like a mouse chewing on tin. We looked all over but couldn't find anything. Our chimney hole was covered with tin, so I decided to look there. As I opened the chimney hole out flew a sparrow right in my face. It sure scared me, but afterwards I really got a laugh out of it.

Katie K. Walter.
Granum, Alta.

My aunt and I were picking blueberries one day on the school land when a little bear ran right beside us. My aunt shook a little tree at him and said shoo-shoo.

Nipawin, Sask.
Harvey Ward, Age 12.

For Bad Cough, Mix This Splendid Recipe, at Home

You'll be pleasantly surprised when you make up this easily prepared mixture and try it for a distressing cough. It is no trouble to mix, and costs but a trifle, yet it can be depended upon to give quick relief.

Make a syrup by stirring 2 cups of granulated sugar and 1 cup of water until dissolved. No cooking needed. (Or use corn syrup or liquid honey, instead of sugar syrup.) Get a 2½ ounce bottle of Pinex from any druggist, put it into a 16 ounce bottle and fill up with your syrup. The 16 ounces thus made gives you four times as much cough medicine for your money, and is a very effective relief for coughs. Keeps perfectly and tastes fine. This splendid mixture has a three-fold action. It soothes the irritated membranes, loosens the phlegm and helps to clear the air passages.

Pinex is a special compound of proven ingredients, in concentrated form, well known as a soothing agent for winter coughs. Money refunded if it does not please you in every way.

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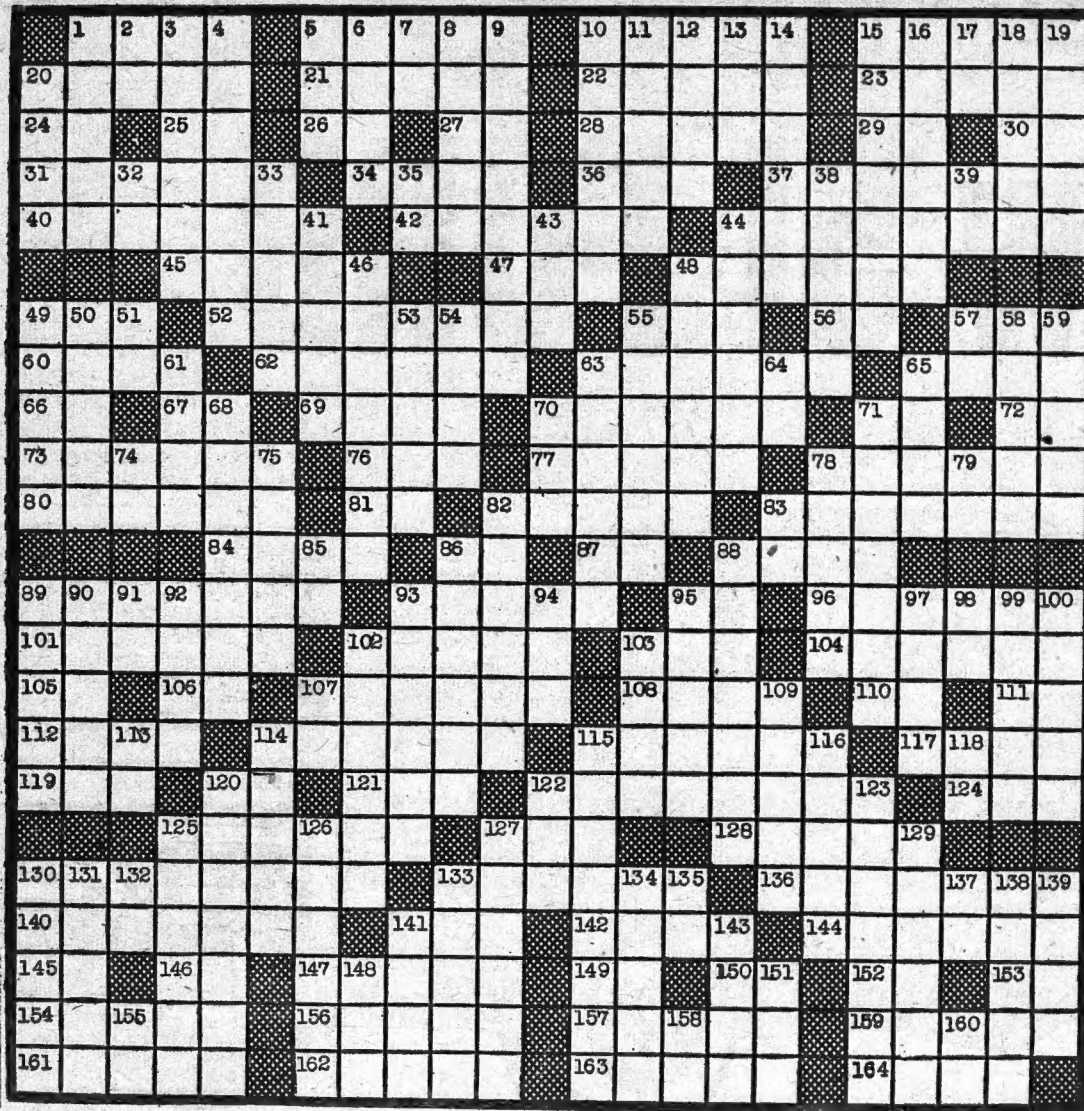
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HORIZONTAL

- 1 Esophagus
5 Animate
10 Vessel
15 To preclude
20 Bound
21 Large bovine
22 Money of India
23 Man's name
24 Type measure
25 To operate
26 Because
27 Four
28 Sharp ridge
29 Hebrew month
30 Spanish article
31 Angel
34 Yarn
36 To annoy
37 Protection (var.)
40 Harness horse
42 Bank officer
44 Most austere
45 Lamprey catcher
47 To anoint
48 Extends
49 Wheel tooth
52 Unfolds
55 Article
56 Canadian province (abbr.)
57 To damage
60 Shades
62 Character
63 Onion-like herbs
65 Heroic story
66 Pronoun
- 67 Whether
69 Italian coin
70 Fan
71 Hence
72 Japanese measure
73 Demonstrates
76 Nothing
77 Aits
78 Was sullen
80 Body of lawmakers
81 Paid notice
82 Eucharistic plate
83 Trucks
84 Scottish caps
86 Note of scale
87 Plural suffix
88 Period of time
89 Eating place (sl.)
93 Door keeper
95 Musical syllable
96 More pleasing
101 Edible seaweeds
102 Persian money
103 Music: three
104 To deflect
105 Pronoun
106 Glacial ridge
107 Military students
108 Nobleman
110 Opposite NW
111 Belonging to
- 112 Observed
114 To cover inside
115 Differs
117 One of evangelists
119 Standing room only
120 To perform
121 French article
122 Disagrees in idea
124 Weight of India
125 Soaks
127 Pale
128 Trans-actions
130 Calumniate
133 Quiets
136 Boiled
140 More melancholy
141 Sport
142 Walk
144 Whole
145 Mulberry
146 Prefix: not
147 Cogent
149 Part of "to be"
150 Siberian river
152 Roman gods
153 One
154 Condiment
156 To cheer
157 Lasso
159 Notched
161 Poker stakes
162 A hand-stamp
163 Drain
164 To interpret

VERTICAL

- 1 More courageous
2 Aloft
3 Envoy
4 Took as own
5 Sleeveless garment
6 To lean
7 Exists
8 Silk fabric
9 To surround
10 To perplex
11 One who entices
12 Angle vortex
13 Clique
14 Sowed
15 Confuses with noise
16 Coals
17 Prefix: double
18 Herring sauces
19 To lease again
20 Trial
32 Artificial language
33 Heroine of "Iliad"
35 Preposition
38 Brings level
39 Compass point
41 Capital of Estonia
43 French lily
44 Utensil for sifting (pl.)
46 Parts of eyes
48 To blanch
49 Scales off
50 Exaggerated
- 51 Mother of Titans
53 Ghastly
54 Near mouth
55 Oar fulcrums
57 Parent
58 To coincide
59 Incursions
61 Hindu deity
63 Altar curtain
64 Teutonic deity
65 Acid
68 Irons
70 Inlet
71 Griets
74 Concerning
75 Scorches
78 Decants
79 Note of scale
82 Mouth roof
83 Behold!
85 Pronoun
86 Flax fabrics
88 Pillaged
89 Happiness
90 Consumer
91 Thoroughfare (abbr.)
92 Gaseous element
93 Makes neat
94 Vetch
95 Dreads
97 To blind, as falcon
98 Symbol for iridium
99 To call forth
100 To allude
102 Rapids
- 103 Beverages
107 Symbol for cerium
109 Unaspirated syllables
113 Prefix: indicating beginning of epoch
114 To waken
115 Sour substances
116 Condition
118 Pronoun
120 Vanity boxes
122 Small chunk
123 Svelte
125 To conclude
126 Benefitted
127 To marvel
129 Irony
130 Absalom's captain
131 Gannet
132 River of Europe
133 Retinue
134 East Indian perennial
135 Spanish: yes
137 Note of scale
138 To expunge (variant)
139 Sandhill
141 Insipid
143 To carry
148 Wing
151 To prohibit
155 Guido's low note
158 Exclamation
160 Hypothetical force

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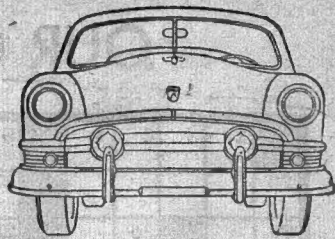
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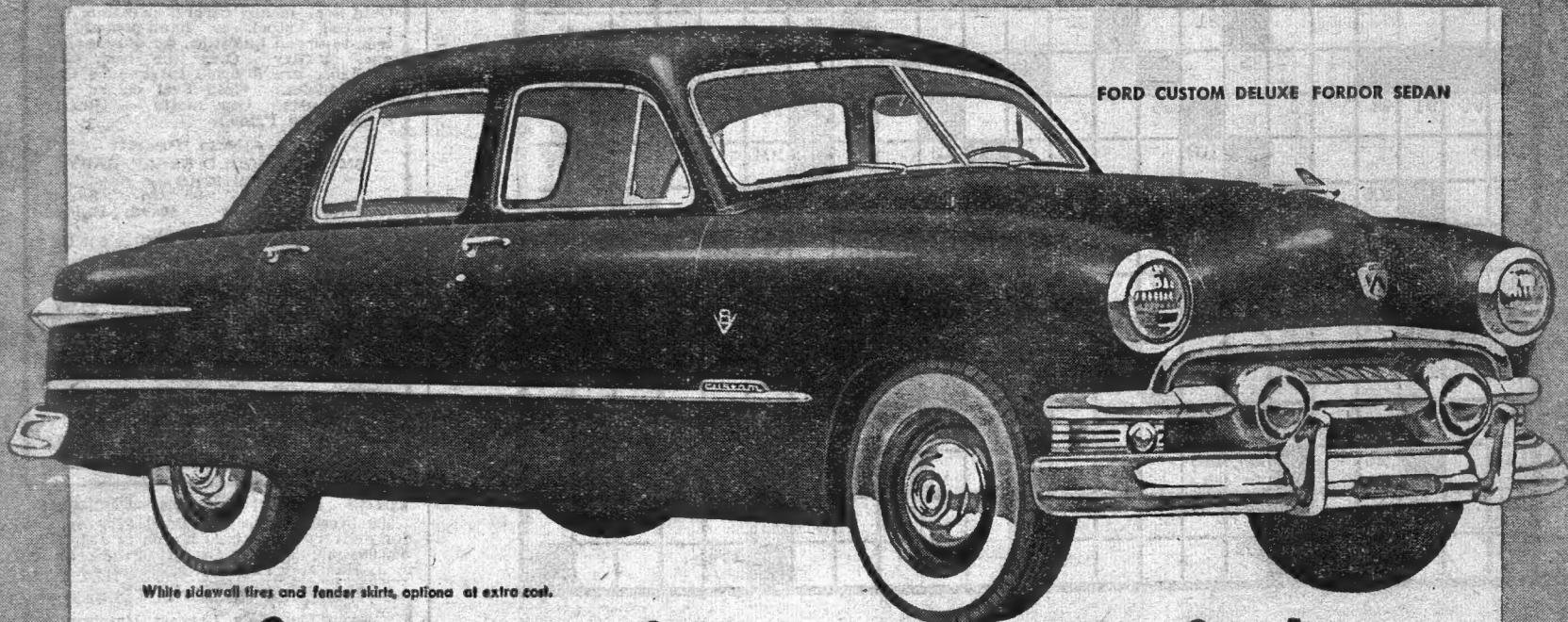
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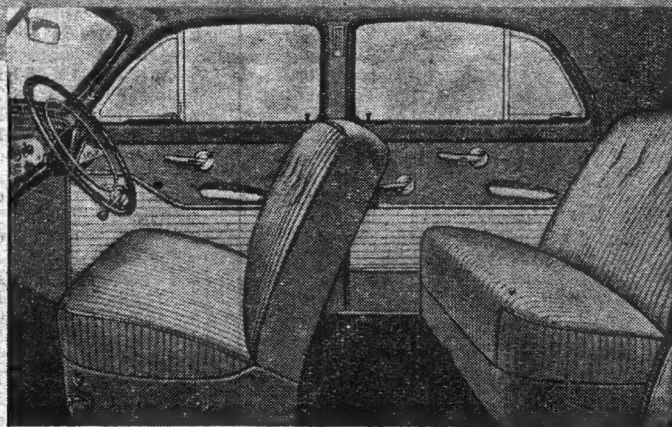
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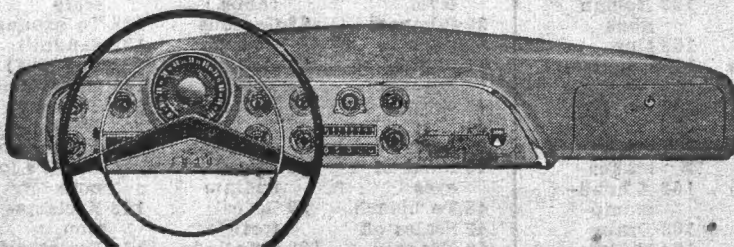
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FORD STEPS AHEAD WITH 43 NEW "LOOK AHEAD" FEATURES



- President sees Canadians facing three major tasks: 1) to integrate economic stability with military preparedness; 2) to co-operate internationally to mitigate the basic causes of world unrest; 3) to expand our world trade.

STANLEY M. WEDD, President, addressing the Annual Meeting of The Canadian Bank of Commerce in Toronto, said in part:

THE course of events that we have witnessed in recent months will mark as historically significant the year now drawing to a close. Yet the favourable developments that have taken place in Canada since we last met are overshadowed by the extremely disturbing possibilities of the hostilities in the Far East. Two distinct trends have emerged within the past year—the hesitation in business activity which was beginning to appear during the first half of the year and which was arrested by the outbreak and impact of war in Korea; and the upturn which followed.

First I would note the latest official estimate of the value of our production for 1950, which is seventeen and a half billion dollars. This is an increase of about fourteen hundred million over last year.

It would seem to be a matter of real urgency that the labour force be expanded, and since this can be done to only a very limited extent from the manpower resources now available, the immediate implementation of a well-integrated immigration policy would seem to be the proper solution.

Agriculture

Over all, this year has been a good one for agriculture. Current reports indicate that the Western wheat crop will be almost one hundred million bushels larger than a year ago although an unusually large percentage of it will be of low grade. Yields of feed grains are also above those of last year. In the Eastern Provinces and in British Columbia good harvests were general in almost all lines of farming endeavour.

While speaking of wheat I should record that during the first year of the International Wheat Agreement Canada's sales were about 183 million bushels, or over 89 per cent of the quantity we undertook to sell under the Agreement. In Geneva last October the International Wheat Council increased the quantity to be delivered by Canada to 219 million bushels for the 1950-51 crop year, 226 million for 1951-52 and 229 million for 1952-53, the last year of the Agreement. The United Kingdom-Canadian Wheat Agreement was not renewed this year but Britain is expected to make substantial purchases from this country under the International Wheat Agreement. The maximum price this year is \$1.80 and the minimum \$1.40 U.S. currency, for No. 1 Northern at Fort William.

In so far as next year is concerned, there are uncertainties regarding the price of grains but on the whole the outlook is satisfactory.

During the first half of 1950 cash receipts from the sale of farm products were down almost two hundred million dollars from the same period in 1949, due almost entirely to the absence of wheat participation payments in Western Canada this year. While receipts from the sale of livestock are somewhat higher this year, revenue from dairy products, poultry and eggs is down noticeably.

Mining

Turning now to mining, attention continues to be focused on oil and iron, each of which is expected to play a prominent role in maintaining our present high level of business activity.

With the Leduc and Redwater discoveries, proven oil reserves are now well above the billion barrel mark and the discovery to date of the four hundred million tons proven reserves of iron ore in Eastern Canada will place Canada among the world's top-ranking iron ore producers.

Manufacturing

Several of the most important branches of the Canadian manufacturing industry have created new production records within the past year and the industry as a whole is currently operating at the highest level of the year to date.

International Trade

This year we have witnessed a decided change in trade activities. Our surplus in merchandise trade of two hundred and twelve million dollars a year in the period 1935-39 and of even larger amounts in the post-war years has been replaced by a deficit of fifteen million dollars at present annual rates.

The decision to permit the Canadian dollar to find its own price in terms of other currencies was one with many implications and much to commend it.

Preparedness Programs

For the first time in our history, this year witnessed the meeting of Parliament for the purpose of considering an extensive military program unaccompanied by a declaration of war. The supplementary budget which evolved from that meeting was significant in that it brought more clearly into focus our responsibilities as a member of the United Nations. It also emphasized our role as a signatory to the North Atlantic Defence Pact.

In the light of existing conditions, the fiscal provisions of this supplementary budget might best be described as precautionary, and the extent to which they may have to be expanded will be determined by the outcome of the critical situation in which the world now finds itself. For the present the total commitment for defence is approximately one billion four hundred and twenty million dollars, or about eight per cent of the estimated Gross National Product.

The Outlook

Events of recent weeks have served to emphasize the uncertainties that lie ahead. Undoubtedly three major tasks face us: to ensure a continuation of economic stability under conditions of military preparedness; full co-operation and assistance towards the mitigation of the basic causes of unrest and war; and also the expansion of trade which is basic to the maintenance of our well-being. These are challenging objectives, yet the record shows ability and courage in facing other equally difficult problems that have arisen in the course of our history.

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JAMES STEWART, Vice-President and General Manager, commenting on the Bank's operations during the past year, said in part:

THE substantial progress of the Bank in the past year by way of the growth in assets and earnings is reflected in the eighty-fourth annual Balance Sheet now before you. (Highlights of the statement are reproduced below.)

Taxation

On the tax program Mr. Stewart said: Apart from the fact that taxation must raise the revenues necessary to finance much of the defence program, taxation in general is an important fiscal means for "siphoning off" purchasing power. While the tax structure should be so arranged as to assist in restraining inflationary tendencies, yet at the same time it should not hamper or retard the industrial program necessary to meet military and domestic requirements.

Should we be on the verge of a heavier tax program—and this is a definite likelihood—then serious consideration should be given to setting the rates of the corporation income tax at sensible levels. In the long run this might well be a better revenue-raising arrangement than the application of an excess profits tax. At the same time this policy could avoid the weaknesses and the inflationary potential inherent in an excess profits tax.

Staff

It is again my privilege to express my thanks to the staff for their co-operation. The all-round increase in the Bank's business which has taken place is indicative of the team-play that exists in all the branches of the Bank. The growth of the Bank as shown by the Balance Sheet is not something that just happens—it represents hard work—and the progress made during the past year is a tribute to the loyalty of the staff and to their constant vigilance in the interests of the Bank and the public we serve.

ANNUAL STATEMENT HIGHLIGHTS

	\$ Thousands
Assets.....	\$1,755,317
Securities.....	823,003
Total Loans.....	577,274
Total Deposits.....	1,623,713
Savings Accounts.....	900,622
Current Accounts.....	605,657
Acceptances and Letters of Credit.....	63,372
Net Profits.....	4,015
Dividends.....	3,000
Carried Forward.....	1,015
Balance Profit and Loss Account.....	4,720